EHS–International, Inc.

U.S. GENERAL SERVICES ADMINISTRATION
FEDERAL CENTER SOUTH
INTERIM SOIL REMEDIATION AND SITE ASSESSMENT
FINAL REPORT

4735 East Marginal Way South
Seattle, Washington 98134

Prepared for:
Duane Allen
US General Service Administration (GSA)
400 15th Avenue SW
Auburn, Washington 98001

Prepared by:
EHS – International, Inc.
13228 NE 20th Street, Suite 100
Bellevue, Washington 98005

October 12, 2010

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SUMMARY OF FINDINGS

The United States (US) General Services Administration (GSA) retained EHS-International, Inc. (EHSI) to conduct an Interim Soil Remediation and Site Assessment of a portion of the Federal Center South property, located at 4735 East Marginal Way South in Seattle, Washington 98134. The Interim Soil Remediation and Site Assessment took place within an asphalt-paved parking lot located west of the Federal Center South Building 1202 and immediately east of the Duwamish Waterway. Portions of Building 1202 are currently being demolished for construction of a new office building. This report summarizes field activities and observations, analytical results, and contaminated soil disposal documentation for the Federal Center South Interim Soil Remediation and Site Assessment.

The purpose of the Federal Center South Interim Soil Remediation and Site Assessment was to remove and dispose of chemically-impacted soils from four areas and to assess potentially contaminated areas across the Building 1202 parking lot and its environs. The areas of suspected contamination were identified during a recent geotechnical investigation and previous site investigations conducted onsite. The four contaminated excavation areas are identified as the Northeast, the Central, the South, and the Southwest Excavations. Field test activities and analytical results associated with the Northeast Excavation and groundwater monitoring well FC9 will be addressed in a separate report as part of the Voluntary Cleanup Program negotiations with Washington Department of Ecology (Ecology) for the Federal Center South property.

This report focuses on field activities and analytical results for the following areas:

- Contaminated soil removal of the Central, South, and Southwest Excavations;
- Hazardous waste characterization and disposal of medical/pharmaceutical waste and non-hazardous solid waste consisting of metal oil drums and cans removed from the Southwest Excavation;
- Installation and sampling of groundwater monitoring wells at four select locations around the perimeter of Building 1202; and
- Soil Vapor Intrusion assessment and soil sampling/analysis within the proposed building footprint, on the west side of Building 1202 in the vicinity of boring HCB-5.

EHSI field geologist observed soil staining, petroleum-like odor, and positive sheen in soils excavated from the Central, South, and Southwest Excavations. Groundwater was encountered within each excavation to a total depth of 6 feet below ground surface (bgs).

EHSI supervised the removal of 1,018 tons of petroleum- contaminated soils from the three excavations. Contaminated soil was hauled off-site, treated by thermal desorption process, and disposed of as class 3 soil at the CEMEX facility in Everett, Washington.

During removal of contaminated soil from the Southwest Excavation, buried 55-gallon metal drums and 5-gallon metal cans containing residual petroleum products, and numerous glass bottles and containers associated with medical/pharmaceutical laboratories were encountered. These materials were separated from the contaminated soil, characterized, transported off-site for disposal and recycling. Based on visual observations and confirmation from soil

analytical testing, all three excavation areas at Federal Center South were free of diesel- to lube oil-range TPH, and VOCs contaminated soils at the completion of excavation.

Contaminants in soils and groundwater identified at the Federal Center South property included total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), including benzene, toluene, ethylbenzene, and xylenes (BTEX), polycyclic aromatic hydrocarbons (PAHs), and heavy metals.

Following contaminated soil removal, closure soil samples collected from the sidewalls of the Central and South Excavations and composite soil samples collected from each of the three overburden soil stockpiles associated with the excavations were analyzed for diesel- to heavy oil-range TPH. Analytical results indicate no measureable concentrations of diesel- to heavy oil-range TPH were detected above laboratory reporting limits in any of the closure or overburden stockpile samples.

Closure soil samples collected from the sidewalls of the Southwest Excavation and one composited soil sample collected from the contaminated soil stockpile were analyzed for gasoline-, diesel-, and lube oil-range TPH; VOCs; BTEX, PAHs; polychlorinated biphenyls (PCBs); and Resource Conservation & Recovery Act (RCRA) metals. Analytical results indicate the following:

- Gasoline-, Diesel-, and Lube Oil-Range TPH: No measureable concentrations of gasoline-, diesel-, or lube oil-range TPH were detected above laboratory reporting limits in any of the nine closure sidewall samples. Gasoline, diesel, and lube oil concentrations were detected in the contaminated soil stockpile sample. However, at concentrations below the applicable Washington State Model Toxics Control Act (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses (173-340 WAC).
- VOCs (including BTEX): No measureable concentrations of VOCs were detected above laboratory reporting limits in any of the closure sidewall samples after the removal of contaminated soil was completed at the Southwest Excavation. Concentrations of xylenes, trichloroethylene (TCE), and six other VOCs were detected in contaminated soil removed from and stockpiled next to the Southwest Excavation (contaminated soil stockpile sample FCS-HP-01). The TCE concentration in contaminated soil stockpile sample FCS-HP-01 exceeded the MTCA Method A Soil Cleanup Level for Unrestricted Land Uses. The concentrations of xylenes and six other VOCs detected in FCS-HP-01 were below the MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses. The contaminated soil stockpile from the Southwest Excavation was subsequently removed and hauled off-site for proper disposal.
- PAHs: Naphthalene was detected in three of the nine closure soil samples and in the contaminated soil stockpile sample. One closure sample and the stockpile sample contained concentrations of six non-carcinogenic PAH compounds. None of the concentrations of naphthalene or the six non-carcinogenic PAH compounds exceeded MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses. No carcinogenic PAHs were detected.
- PCBs: No measureable concentrations of PCBs were detected in the closure sidewall samples or the contaminated soil stockpile sample FCS-HP-01.

- RCRA Metals: Concentrations of arsenic, barium, chromium, and lead were detected in the closure soil samples and the contaminated soil stockpile sample FCS-HP-01. None of the metal concentrations exceeded their applicable MTCA Method A or B Soil Cleanup Levels for Unrestricted Land Uses. No measureable concentrations of cadmium, mercury, selenium, or silver were detected soil samples collected from the Southwest Excavation.

A test pit soil sample (FCS-TP8-6.5) collected from below the water table in the vicinity of soil HCB-5 and beneath the planned building footprint, had a diesel-range TPH concentration of 4,700 mg/kg. At this concentration, the sample diesel-range TPH concentration exceeded the MTCA Method A Soil Cleanup Level of 2,000 mg/kg. Another test pit soil sample (FCS-TP8-5) collected from the same test pit within the vadose zone above the water table had a diesel-range TPH concentration that was below the MTCA Method A Soil Cleanup Level (2,000 mg/kg).

Groundwater samples collected from the four newly installed monitoring wells EHSI-MW1 through EHSI-MW4 were analyzed for gasoline-, diesel-, and lube oil-range TPH; VOCs, PAHs, and Priority Pollutants dissolved metals. Analytical results indicate the following:

- Gasoline-Range TPH: No measureable concentrations of gasoline-range TPH were detected in any of the four groundwater samples submitted for analysis.
- Diesel- and Lube Oil-Range TPH: The groundwater sample collected from well EHSI-MW2 had a diesel-range TPH concentration of 780 micrograms per liter (µg/L), which exceeded the MTCA Method A Groundwater Cleanup Level of 500 µg/L. This sample also had a lube oil-range TPH concentration of 280 µg/L, which was below the MTCA Method A Groundwater Cleanup Level of 500 µg/L. The detected diesel-range TPH concentrations in samples from wells EHSI-MW1 and EHSI-MW4 were below the regulatory cleanup level. No measurable concentrations of diesel- and lube oil-range TPH were detected above test method reporting limits in the sample collected from EHSI-MW3.
- VOCs (including BTEX): A benzene concentration of 5.1 µg/L was detected in the groundwater sample collected from EHSI-MW2. This concentration exceeded the MTCA Method A Groundwater Cleanup Level of 5.0 µg/L established for benzene in groundwater. The vinyl chloride concentrations detected in groundwater samples collected from three of the four wells ranging from 0.26 to 2.7 µg/L exceeded the MTCA Method A Groundwater Cleanup Level of 0.2 µg/L. The remaining detected VOCs in groundwater samples collected from EHSI-MW1 and EHSI-MW2 were found below their applicable regulatory cleanup levels. No measureable concentrations of VOCs were detected above test method reporting limits in the sample collected from EHSI-MW3.
- PAHs: No established regulatory cleanup levels are available for the six non-carcinogenic PAH compounds detected in groundwater samples collected from EHSI-MW1 and EHSI-MW2. Chrysene, a carcinogenic PAH compound, was detected in the groundwater sample collected from EHSI-MW1 at a concentration of 0.13 µg/L. Because none of the six remaining carcinogenic PAH compounds were detected in this sample, the concentration for total carcinogenic PAHs was calculated at 0.0013 µg/L using the toxicity equivalency factor (TEF). This total carcinogenic PAH

concentration was below the MTCA Method A Groundwater Cleanup Level of 0.1 µg/L. No measureable concentrations of PAHs were detected above test method reporting limits in the sample collected from EHSI-MW3.

- Priority Pollutants Dissolved Metals: A dissolved arsenic concentration of 11.6 µg/L was detected in the groundwater sample collected from well EHSI-MW2. This concentration exceeded the MTCA Method A Groundwater Cleanup Level of 5 µg/L established for arsenic in groundwater. None of the remaining dissolved metal concentrations detected in the four groundwater samples exceeded regulatory cleanup levels.

Potential petroleum hydrocarbon contamination was identified in subsurface soil boring HCB-5, located within the footprint of the new Federal Center South building. Analyses of test pit soil samples collected from this area indicated that diesel-range petroleum hydrocarbons in excess of the MTCA Method A Cleanup Levels for Unrestricted Land Uses were present in an area that by design would be below the planned footprint of the new Federal Center South building. Soil vapor sampling was conducted on September 27, 2010, under the direction of an EHSI field geologist. Laboratory analytical results indicated that VOCs (specifically BTEX) in all three samples analyzed using U.S. Environmental Protection Agency (EPA) Test Method 8260 were below test method reporting limits for each of the individual VOCs. On the basis of the absence of potential indicator hazardous substances (IHSs) in the vadose soils located within the footprint of the new Federal Center South building, EHSI concluded that there is no likelihood that VOCs in soil vapor beneath the future Federal Center South building will cause an unacceptable risk to the future building occupants.

Based on the results and findings of the Federal Center South Interim Soil Remediation and Site Assessment, all readily identifiable and documented chemical contamination liabilities were mitigated from the three excavation areas at Federal Center South parking lot west of Building 1202. Further environmental work involving groundwater monitoring and sampling is recommended at the Federal Center South parking lot to assess for the reduction of contaminant concentrations in groundwater following source removal. Subsequent groundwater monitoring and sampling of the four newly-installed wells (i.e., EHSI-MW1 through EHSI-MW4) will be discussed in a separate report.

1.0 INTRODUCTION

GSA retained EHSI to conduct an Interim Soil Remediation and Site Assessment of a portion of the Federal Center South property in Seattle, Washington (Figure 1). The Interim Soil Remediation and Site Assessment took placed within an asphalt-paved parking lot located immediately west of the former Building 1202 and immediately east of the Duwamish Waterway (Figure 2). This report summarizes field activities and observations, analytical results, and contaminated soil disposal documentation for the removal of petroleum-contaminated soils at the Federal Center South property.

1.1 PROJECT BACKGROUND

Between 1998 and 2009, GSA contracted with several environmental consultants to execute environmental site investigations following the decommissioning and removal of a 12,000-gallon gasoline underground storage tank (UST) and a 1,000-gallon waste oil UST associated with former Building 1203 that was used for maintaining and providing fuel to GSA motor pool vehicles. Limited exploration during the 1998 UST removal activities indicated that a gasoline release beneath the former fuel dispenser unit had occurred. Release of diesel and heavy oil to soil immediately surrounding the waste oil tank was also observed during closure activities of this tank.

The following site characterization and cleanup activities have been conducted at the Federal Center South property west of Building 1202 since the gasoline and waste oil USTs were removed in May 1998:

Date (Reference)	**Field Investigation Conducted (Date)**
May 1998 (Herrera 1999)	• UST decommissioning and closure activities, including excavation and removal of one 12,000-gallon gasoline tank, one 1,000-gallon waste oil tank, and approximately 170 cubic yards of petroleum-contaminated soil (May 1998).
August 1998 to July 1999 (Herrera 2000)	• Site investigation including soil and groundwater sampling from 15 probe soil boring locations (August 1998). • Additional contaminated soil excavation (approximately 350 cubic yards) from the gasoline pump dispenser area and around the waste oil UST (April 1999). • Installation of 7 groundwater monitoring wells (FC1 through FC7) and first quarter sampling event (June and July 1999).
October 1999 to April 2001 (Herrera 2001)	• Collection of groundwater samples from wells FC1 through FC7 during eight sampling events (October 1999 through April 2001). • Installation of groundwater monitoring wells FC8 and FC9 (installed in October 2000) and collection of groundwater samples from these wells during three sampling events (October 2000 through April 2001).

Date (Reference)	Field Investigation Conducted (Date)
July 2001 to April 2003 (Herrera 2003)	• Collection of groundwater samples from wells FC1 through FC9 during four sampling events (July 2001 through April 2002). • Collection of soil and groundwater samples at six probe soil borings in the vicinity of well FC9 (September 2002). • Collection of groundwater samples from well FC9 during four sampling events (April 2002 through April 2003).
February 2004 (Herrera 2005)	• Collection of soil samples at 14 probe soil borings downgradient of the former gasoline UST excavation and collection of groundwater sample from well FC3 (February 2004).
September 2008 (EHSI 2008)	• Collection of groundwater samples from wells FC2 through FC9 (well FC1 was destroyed sometime after 2002; September 2008).
September 2009 (EHSI 2009)	• Collection of soil samples from six probe soil borings drilled around the perimeter and hand auger holes at six locations (interior) within the basement crawlspace underneath Building 1202 (September 2009).

Groundwater monitoring data collected between June 1999 and September 2008 indicated that static water level beneath the property is at depths ranging from 5 to 14 feet bgs, with flow direction ranging from west-southwest to northwest towards the Duwamish Waterway (Herrera 2000, 2001, 2003; EHSI 2008). Groundwater has been impacted by gasoline and related contaminants, diesel, and lube oil based on detected concentrations above regulatory cleanup levels in groundwater samples collected from five of the nine monitoring wells installed west of Building 1203. No petroleum contamination in groundwater was detected above reporting limits in these wells during the last sampling event conducted in September 2008.

Soil testing results around the perimeter and underneath (interior) Building 1202 during the September 2009 field investigation revealed low levels of chromium, lead, and PAHs (EHSI 2009). Neither chromium nor lead concentrations detected in soil samples collected during the 2009 investigation were above regulatory cleanup levels. Carcinogenic PAHs were detected above the MTCA Method A Soil Cleanup Level for unrestricted land use, but below the MTCA Method A Soil Cleanup Level for industrial land use in one soil sample collected from the west middle interior portion of Building 1202. Carcinogenic PAHs also were detected in the soil sample collected from the east middle interior portion at concentrations below MTCA Method A Soil Cleanup Levels for both Unrestricted and Industrial Land Uses.

1.2 HART CROWSER GEOTECHNICAL INVESTIGATION

The Federal Center South Interim Soil Remediation and Site Assessment was conducted within select portions of the property based on results of soil and groundwater samples collected during a pre-construction geotechnical study conducted by Hart Crowser, Inc. (HC). In May 2010, HC was retained by the site Contractor, Sellen Construction (Sellen) to drill pre-construction geotechnical borings prior to the proposed construction of an office building on the property. During the May 2010 geotechnical work, HC encountered

potentially contaminated soil and groundwater in monitoring wells and soil borings at five locations across the Federal Center South property. The following five locations and their contaminants of concern detected include (AAL 2010a, 2010b; HC 2010):

- Monitoring well HCMW-1, where gasoline- and heavy oil-range organics were detected in soils and solvents contamination were detected in groundwater at concentrations above MTCA Cleanup Levels;
- Soil boring HCB-3, where diesel-range organics were detected in soils above MTCA Cleanup Levels;
- Soil boring HCB-5, where diesel-range organics were detected in soils above MTCA Cleanup Levels;
- Monitoring well HCMW-2, where solvents contamination in groundwater were detected at concentrations below MTCA Cleanup Levels; and
- Monitoring well HCMW-3, where solvents contamination in groundwater were detected at concentrations above MTCA Cleanup Levels.

1.3 PROJECT PURPOSE

The purpose of the Federal Center South Interim Soil Remediation was to remove and dispose of chemically-impacted soils from four areas of documented and suspected contamination in the parking lot to the west of Building 1202 and its environs, as reported during previous onsite geotechnical and site investigations.

1.4 INVOLVED PARTIES

GSA retained EHSI to execute this Interim Action RI/FS Site Assessment under Contract No. GS-10P-08-LT-D-0088, Task Order #GS-P-10-10-LT-5077 between GSA and EHSI, dated May 27, 2010. EHSI hired Wyser Construction (Wyser) of Snohomish, Washington to provide test pit explorations, contaminated soil removal, transportation, and site restoration services. The CEMEX facility (CEMEX) in Everett, Washington was selected for disposal of the contaminated soil. Marine Vacuum Services, Inc. (Mar-Vac) of Seattle, Washington provided services for removal and disposal of oily-contaminated water from the Southwest Excavation. Pacific Northwest Probe, Inc. of Edgewood, Washington provided soil boring and monitoring well installation services. Kleen Environmental Technologies, Inc. (KET) provided hazardous waste characterization and transportation/disposal services associated with medical/pharmaceutical waste, and non-hazardous solid waste associated with metal oil drums and cans encountered and removed from the Southwest Excavation. EHSI performed site assessments including collection of soil samples for chemical analyses, and provided oversight of contaminated soil removal and site restoration activities. Friedman and Bruya, Inc. (FBI) of Seattle, Washington analyzed soil samples collected during the field investigation at the Federal Center South property.

1.5 FINAL REPORT ORGANIZATION

This report begins with a Summary of Findings, a summary of field services, a general property overview, a site legal description, a discussion of relevant previous investigations conducted, general site conditions, and field observations follow the initial sections. Subsequent sections present the elements of the Interim Soil Remediation and Site Assessment (soil sampling methodology, laboratory analyses, and analytical results), as well as field observations and soil screening results, analytical results, regulatory review, project

conclusions, and recommendations. Four figures, five tables, and six supporting appendices follow the main text. Figure 1 is the Site Location Map of Federal Center South property in Seattle, Washington, and Figure 2 is the Site Layout Map of the Federal Center South property. Figure 3 is the Sample Location Map for the Central and South Excavations, and Figure 4 is the Sample Location Map for the Southwest Excavation. Table 1 presents the sample source information. Table 2 presents the map coordinates for the soil removal excavations, test pits explorations, soil borings, and groundwater monitoring wells installed within the Federal Center South property, as shown in Figure 2. Table 3 presents the analytical results for closure and stockpile soil samples collected from the Central and South Excavations. Table 4 presents the analytical results of closure and stockpile soil samples collected from the Southwest Excavation. Table 5 presents the analytical results of soil samples collected from four soil borings and three test pit excavations in the vicinity of soil boring HCB-5. Table 6 summarizes the analytical results of groundwater samples collected from the four newly installed monitoring wells surrounding the perimeter of Building 1202. Table 7 documents the analytical results for the Vapor Intrusion soil gas analyses. Copies of laboratory analytical reports for soil and groundwater samples are provided in Appendix A. Contaminated soil disposal documentation, including copies of the contaminated soil disposal weight tags and manifests are provided in Appendix B. Copies of bill of ladings for disposal of the petroleum-contaminated groundwater from the Southwest Excavation are provided in Appendix C. Copies of the manifests for transportation, recycling, and disposal of the Southwest Excavation hazardous waste and oil drums/cans are provided in Appendix D. Soil boring logs and monitoring well construction logs are provided in Appendix E. Selected site photographs are provided in Appendix F.

1.6 INTERIM SOIL REMEDIATION OVERVIEW

The Federal Center South Interim Soil Remediation focused on the removal and disposal of chemically-impacted soils from three areas across the parking lot and its environs. The three areas identified during previous onsite geotechnical and site investigations included

- The area surrounding soil boring HCB-3, where diesel-range TPH in soil were detected above regulatory cleanup levels (Central Excavation);
- The area south of soil boring HCB-7 (South Excavation); and
- In the vicinity of groundwater monitoring well HCMW-1, where gasoline- and heavy oil-range TPH, and VOC contamination were detected in groundwater at concentrations above regulatory cleanup levels (Southwest Excavation).

The Federal Center South Interim Soil Remediation consisted of the following elements:

- Removal and disposal of TPH-contaminated soils from the three separate excavation areas;
- Stockpiling of contaminated soil removed from each excavation area on visqueen;
- Stockpiling and separating of metal oil drums and cans from the medical/pharmaceutical waste on the contaminated soil stockpile next to the Southwest Excavation;
- Collecting soil samples from sidewalls of each excavation, as well as from the stockpiled contaminated and “clean” overburden soils;

- Analysis of overburden stockpile and excavation closure soil samples;
- Hazardous material characterization, containment, transportation, and disposal of medical/pharmaceutical waste, along with transportation and disposal of non-hazardous solid waste consisted of metal oil drums and cans; and
- Site restoration including backfilling and compaction of overburden and imported soil for each of the three excavations.

1.7 SITE ASSESSMENT OVERVIEW

The Federal Center South Site Assessment consisted of the following elements:

- Installation of groundwater monitoring wells at four selected locations around the perimeter of Building 1202;
- Collection and analysis of soil samples from four soil borings and three test pits placed within the proposed building footprint. More specifically, near geotechnical soil boring HCB-5, where diesel-range TPH contamination in soil was encountered; and
- Analysis of soil gas samples collected in the vicinity of HCB-5 for Vapor Intrusion screening.

2.0 GENERAL PROJECT DOCUMENTATION

EHSI field geologists documented daily field activities associated with the Federal Center South Interim Soil Remediation and Site Assessment in a bound serialized field note book. Information pertaining to personnel on-site, weather conditions, general activities planned and performed, and any problems encountered onsite were documented by the EHSI field geologist in the field note book.

3.0 SITE OVERVIEW

The Federal Center South property is located southwest of intersection of Diagonal Avenue South and East Marginal Way South, and east adjacent to the Duwamish Waterway, at 4735 East Marginal Way South in Seattle, Washington (Figure 1). The industrial/commercial property consists of an irregular-shaped parcel covering approximately 32.99 acres, and is identified by King County parcel number 357320-0975 (King County 2010); the Federal Center South property legal description is as follows:

> INDUSTRIAL ADD ALL POR BLK 23 INDUSTRIAL ADD TGW POR TRS 1 & 2 - 14 THRU 17 - 35 & 53 KELLOGS TRS TGW POR VAC ST ADJ TGW LOTS C-D-E-F UNION PACIFIC ADD TGW BLK 382 SEATTLE TIDE LDS EXT #1 TGW POR VAC ST ADJ TGW POR VAC EXT DIAGONAL AVE S LESS CWW #1 DAF BEG 88.78 FT NWLY OF SE COR LOT 15 BLK 23 AS MEAS ALG E LN SD BLK 23 TH S 70-24-06 W 244.26 FT TO SW COR LT 15 TH N 39-15-20 W TO N LN SLIP #1 DAWSON ST WATERWAY TH N 79-35-39 W 611.50 FT TO ELY MGN CWW #1 TH NWLY ALG SD E MGN TO NXN C/L OF EXT DIAGONAL AVE S TH NELY ALG SD C/L TO NLY COR OF VAC DIAGONAL AVE S VAC ORD 99555 TH SLY ALG ELY LN OF VAC TO SLY MGN OF SD AVE THOF TH NELY & ELY ALG SD MGN TO E LN OF SD BLK 23 TH SLY ALG SD E LN TO POB

The Federal Center South property ranges 5 to 10 feet above mean sea level, consisting of a relatively level concrete/asphalt-paved parking lot and two large multi-story office and warehouse buildings. Buildings currently on-site include a large two-story, L-shaped, brick office building (identified as Building 1201 – historic Ford Motor Company Assembly Plant built in 1931 [King County 2010]) that faces East Marginal Way South, and a large two-story rectangular warehouse building (identified as Building 1202 – built in 1940 [King County 2010]) that is located west-northwest of Building 1201. Commercial businesses and federal agencies currently occupy office spaces in Building 1201. Building 1202 reportedly was used for missile manufacture by the Boeing Company between 1957 and 1970 (AMEC 2010). Other reported use of leased spaces by the federal government in Building 1202 may have included vehicle maintenance, film development, arts and crafts, and medical laboratories (AMEC 2010). Building 1202 is currently being demolished by Sellen in preparation for the construction of an office building. An alley with two former railroad track spurs exists between the buildings.

The majority of the Federal Center South Interim Soil Remediation and Site Assessment work is located within a large, fenced, asphalt/concrete-paved parking lot west of and adjacent to Building 1202, and east of and adjacent to the Duwamish Waterway. Access into the parking lot is through a fenced gate at the northeast corner adjacent to Building 1202. A rectangular area located west-northwest of Building 1202 represents the former building footprint of Building 1203. The former GSA motor pool previously occupied Building 1203, which included previously removed 12,000-gallon gasoline and 1,000-gallon waste oil USTs.

3.1 GENERAL SITE SOIL DESCRIPTION

General site soil stratigraphy of the Federal Center South property, based on soil borings and monitoring wells installed during previous investigations, as well as test pit explorations and contaminated soil removal activities consisted of fill material overlying alluvial sand. Fill, encountered from beneath the asphalt pavement to an approximate depth of 1 foot, consisted of dark grayish brown sand and crushed gravel with variable amounts of silt. Underlying the fill was an olive brown fine-grained sand layer encountered at depths ranging from 1 to 6 feet bgs. Underlying the olive brown sand layer was a very dark gray to black fine- to medium-grained sand, with occasional alternate layers of dark gray silt with variable amounts of organic material. The base of the dark gray/black sand unit was not reached in any of the borings, monitoring wells, test pits, or excavations, to a maximum depth of 16.5 feet bgs.

3.2 GENERAL GROUNDWATER CONDITION

Groundwater seeped into the Central and South Excavations and had stabilized to a maximum depth of 6 feet bgs. Groundwater seeped in the Southwest Excavation and had stabilized to a maximum depth of 7 feet bgs. Static groundwater levels in the four monitoring wells measured from top of well casing at depths ranging from 5.90 feet bgs at well EHSI-MW4 to 9.34 feet bgs at well EHSI-MW2. Based on monitoring data collected during previous field investigations conducted onsite, the inferred groundwater flow direction beneath Federal Center South property generally ranged to the west to southwest towards the Duwamish Waterway.

4.0 CONTAMINATED SOIL REMOVAL OVERVIEW

4.1 UTILITY LOCATE

EHSI retained a utility locator service provider Applied Professional Services, Inc. (APS) of Issaquah, Washington to locate underground utilities in the vicinity of proposed soil borings, monitoring wells, test pits, and excavation areas. Utilities located and marked on the ground surface at the site included the following:

- An 8-inch diameter sewer line oriented north-south and adjacent to a former railroad track spur and the west side of Building 1202;
- A water line oriented north-south and located approximately 15 feet west of Building 1202, with water connecting lines to Building 1202; and
- A buried 8-inch diameter storm water pipeline oriented north-south, and connected to a storm water catch basin adjacent to the Southwest Excavation.

Other underground utilities were already marked by utility companies for Sellen in preparation for de-construction of Building 1202 and demolition of Building 1203.

4.2 EXCAVATION AREAS

Wyser field personnel utilized a large track hoe equipped with a 3/8-cubic yard bucket to remove contaminated soils from each of the excavation areas on-site.

4.2.1 CENTRAL EXCAVATION

The Central Excavation was a rectangular excavation with its final dimensions of approximately 14 feet wide by 25 feet long, and extended to a depth of 6 feet bgs to groundwater. Overburden soils from beneath the asphalt pavement to an approximate depth of 4 feet bgs were placed on visqueen in two distinct soil stockpiles adjacent to the excavation, designated as soil stockpiles #1 (SP1) and #2 (SP2). The overburden soils were considered "clean" based on visual observations and field screening tests (i.e., no chemical odor present, no elevated photovoltaic ionizer detector (PID) readings above background levels, lack of soil staining or sheen). Contaminated soils removed from the central excavation from 4 to 6 feet bgs were placed on visqueen alongside the excavation.

4.2.2 SOUTH EXCAVATION

The South Excavation was a square-shaped excavation with its final dimensions of approximately 10 feet by 10 feet, and extended to a depth of 6 feet bgs to groundwater. "Clean" overburden soils from beneath the asphalt pavement to an approximate depth of 4 feet bgs were placed on visqueen adjacent to the excavation, and was designated as soil stockpile #3 (SP3). Contaminated soils removed from the south excavation from 4 to 6 feet bgs were placed on visqueen alongside the excavation.

4.2.3 SOUTHWEST EXCAVATION

The Southwest Excavation was a large irregular, rectangular excavation with its final dimensions of approximately 46 feet wide by 89 feet long, and extended to a depth of 7 feet bgs to groundwater. Clean overburden soils were placed on visqueen adjacent to the excavation in two distinct stockpiles. Contaminated soils from 4 to 7 feet bgs were placed on visqueen adjacent on the north side of the excavation. Debris encountered during removal of

contaminated soil, including rusted metal 55-gallon drums and 5-gallon cans previously contained petroleum products and assorted glass bottles associated with medical/pharmaceutical waste were stockpiled on the east side with the contaminated soil. Most of the medical/pharmaceutical waste debris was separated from the contaminated soil by hand after each bucket load of soil was removed from the excavation. The contaminated soil stockpile for the Southwest Excavation was designated as the hazardous soil stockpile (HP).

4.3 CLOSURE AND STOCKPILE SOIL SAMPLING PROCEDURES

EHSI collected closure soil samples from each of the three contaminated soil removal excavations. No bottom closure samples were collected because of groundwater that had seeped in and stabilized in each of the excavations. Closure soil samples from the sidewalls of each excavation were obtained by scraping the selected sidewall with the track hoe bucket, collecting a representative grab sample from the center of the bucket, and placed the grab soil sample directly into sample containers provided by the laboratory. In addition to the closure samples, EHSI collected composited soil samples from each of the four designated soil stockpiles for chemical analysis to determine the presence or absence of contamination and/or disposal options of contaminated soils. Table 1 provides a summary of the soil sample source information.

4.4 SAMPLE HANDLING AND SHIPPING

Grab soil samples were obtained during excavation activities for field screening purposes to assess the progress of the removal of contaminated soil at each excavation. Field screening included visual inspection for indication of oily sheen or staining, the presence or absence of chemical or petroleum-like odor, and measuring the presence of ionizable volatile compounds using a PID. Field screening results were documented in the field notebooks.

Soil samples for chemical analysis were collected according to Ecology guidelines. Soil samples collected from sidewalls of contaminated soil removal excavations were collected directly from the center of the track hoe bucket by hand and placed directly into sample containers provided by the analytical laboratory. Soil samples for gasoline-range TPH and VOCs analysis were collected using the U.S. EPA 5035A sampling protocol. The EHSI field geologist wore a clean pair of nitrile gloves at each sample location. After collection, each sample was uniquely labeled and then immediately placed in a cooler with ice to be kept cool prior to being hand-delivered to the laboratory under chain-of-custody protocols. At the end of the day, soil samples collected were transported, under full chain-of-custody, to FBI for chemical analysis.

4.5 SOIL SAMPLE DOCUMENTATION

EHSI field geologists documented all field activities associated with soil sampling from each excavation. Documentation included a comprehensive discussion of field observations, including field screening results, and any problems encountered. All soil sample containers were labeled with the following information:

- EHSI project identification number;
- Sample date and time collected; and
- Sample identification number.

Each soil sample collected was given a unique identification number as described below:

Project Location/Excavation Designation/Sample Number: For example, sample FC-CE-ESW1 is the soil sample collected from the Federal Center South Interim Soil Remediation (FC), the Central Excavation (CE), and the first sample from the east sidewall of the excavation (ESW1).

In addition, the sample chain-of-custody forms were completed with the EHSI project identification number, the sampler's name, sample identification codes, number of containers, and date and time the sample was collected. The chain-of-custody form was included with samples transported to the analytical laboratory.

4.6 SAMPLING DECONTAMINATION PROCEDURES

EHSI field geologists wore disposal nitrile gloves for collecting closure soil samples. A new pair of gloves was donned for each soil sample collected. No decontamination was required for soil sample collection.

4.7 LABORATORY ANALYSES ON CLOSURE AND STOCKPILE SOIL SAMPLES

4.7.1 CENTRAL EXCAVATION SOIL SAMPLE ANALYSES

The six soil samples collected from the sidewalls of the Central Excavation (CE) and the two overburden soil stockpiles associated with the Central Excavation (SP1 and SP2) were analyzed for diesel- to heavy oil-range TPH (including lube oil) using Ecology Test Method NWTPH-Dx (Dx; Table 3).

4.7.2 SOUTH EXCAVATION SOIL SAMPLE ANALYSES

The five soil samples collected from the sidewalls of the South Excavation (SE) and the overburden soil stockpile associated with the south excavation (SP3) were analyzed for diesel- to heavy oil-range TPH (including lube oil) using Ecology Test Method NWTPH-Dx (Table 3).

4.7.3 SOUTHWEST EXCAVATION SOIL SAMPLE ANALYSES

The ten soil samples collected from the sidewalls of the Southwest Excavation and the contaminated soil stockpile associated with the Southwest Excavation (HP) were analyzed for the following contaminants (Table 4):

- Gasoline-range TPH using Ecology Test Method NWTPH-Gasoline Extended (Gx);
- Diesel- to heavy oil-range TPH (including lube oil) using Ecology Test Method NWTPH-Dx;
- VOCs (including BTEX) using U.S. EPA Test Method 8260C;
- PAHs using U.S. EPA Test Method 8270D with selective ion monitoring (SIM);
- PCBs using U.S. EPA Test Method 8082; and
- RCRA metals (including arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) using U.S. EPA Test Methods 200.8 and 1631E (for mercury only).

4.8 CLOSURE AND STOCKPILE SOIL ANALYTICAL RESULTS

Copies of soil analytical reports and chain-of-custody forms associated with soil samples collected from the Central, South, and Southwest Excavations are provided in Appendix A. The following sections summarize field observations during soil removal and the analytical results of closure and stockpile soil samples collected following contaminated soil removal excavation activities.

4.8.1 CENTRAL EXCAVATION CONDITION AND ANALYTICAL RESULTS OF CLOSURE AND STOCKPILE SOIL SAMPLES

Soil removal activities for the Central Excavation began on August 2, 2010. Approximately 4-inch thick of asphalt pavement was first removed from the Central Excavation area. No soil staining, odor, or other indications of contamination were observed in soil removed from the top 3 to 4 feet bgs beneath the asphalt. The overburden soil was removed and placed on a large area covered with visqueen on the west side of the excavation into two separate stockpiles designated as SP1 and SP2. The EHSI field geologist observed soil staining, positive soil sheen tests, an oily sheen on the water surface, and hydrocarbon-like odor within fine-grained sand between 3 or 4 feet bgs to groundwater (approximately 6 feet bgs). Approximately 70 tons of petroleum-impacted soil was excavated from the Central Excavation. Contaminated soil was placed on a large area covered with visqueen next to the excavation. After contaminated soil was removed, four closure grab soil samples were collected from the sidewalls above the water table at approximately 5 feet bgs from the Central Excavation (samples FC-CE-NSW1, FC-CE-ESW1, FC-CE-SSW1, and FC-CE-WSW1). In addition, a composited soil sample was collected from each of the two "clean" overburden stockpiles associated with the Central Excavation (composited samples FC-CE-SP1 and FC-CE-SP2).

Analytical results indicate that none of the four closure soil samples or the two overburden stockpile samples had measurable concentrations of diesel- to lube oil-range TPH above laboratory reporting limits (Table 3).

4.8.2 SOUTH EXCAVATION CONDITION AND ANALYTICAL RESULTS OF CLOSURE AND STOCKPILE SOIL SAMPLES

Soil removal activities for the South Excavation began on August 2, 2010. Approximately 4-inch thick of asphalt pavement was first removed from the South Excavation area. EHSI field geologist observed no soil staining, odor, or other indications of contamination in soil removed from the South Excavation from beneath the asphalt to a depth of 4 feet bgs. Approximately 25 tons of contaminated soil based on positive sheen tests, the presence of petroleum-like odor, and staining were removed from 4 to 6 feet bgs. Soil removed from the excavation was placed on visqueen on the south side of the excavation, and was designated as overburden stockpile #3. Four closure grab soil samples were collected from the sidewalls above the water table at approximately 5 feet bgs from the South Excavation (samples FC-SE-NSW1, FC-SE-ESW1, FC-SE-SSW1, and FC-SE-WSW1). In addition, a composited soil sample was collected from the overburden stockpile (composited sample FC-SE-SP3).

Analytical results indicate that none of the four closure soil samples or the overburden stockpile sample had measurable concentrations of diesel- to lube oil-range TPH above laboratory reporting limits (Table 3).

4.8.3 SOUTHWEST EXCAVATION CONDITION

Soil removal activities for the Southwest Excavation began on August 3, 2010. Approximately 4-inch thick of asphalt pavement was first removed from the Southwest Excavation area on the north side and adjacent to monitoring well HCMW-1. No staining, odor, or other indications of contamination was observed in soil removed from beneath the asphalt to depths ranging between 4 and 5 feet bgs. Overburden soil was placed on a large area covered with visqueen on the southwest side of the excavation. EHSI field geologist observed contaminated soils based on black soil staining, strong petroleum-like odor, and positive sheen tests, starting from 5 feet bgs and extending to a depth of 7 feet bgs into groundwater. Petroleum-impacted soil was removed from the excavation and placed on a large area covered with visqueen on the north side of the Southwest Excavation.

Soil removal activities were suspended at the Southwest Excavation by EHSI field geologist on August 4, 2010 after encountering buried metal 55-gallon drums, assorted 5-gallon and smaller-sized cans, and liquid-filled glass bottles, along with a strong chemical odor. At this point, the excavation had extended to the east, with dimensions approximately 27 feet wide and 35 feet long, and extending to a depth ranging from 7 to 9 feet bgs (Figure 4). Groundwater seeped in and stabilized at a depth of 7 feet bgs. On August 6, 2010, a composited soil sample was collected from the contaminated soil stockpile for chemical analysis to determine contaminants of concern associated with the chemical odor, and the level of personal protective equipment (PPE) to be worn for continuing removal activities (sample FCS-HP-01). Based on the results, Level C PPE included Tyvek suit, air-purifying respirators with organic vapors cartridges, rubber steel-toed boots, and nitrile gloves, were worn by the EHSI field geologist and Wyser track hoe operator during subsequent soil removal.

Removal of contaminated soil with metal drums/cans debris resumed at the Southwest Excavation on August 16, 2010. Asphalt pavement was removed to the east and north of the excavation, and the top 4 to 5 feet beneath the asphalt of “clean” overburden soil was placed on a large area covered with visqueen to the northeast near the excavation. Contaminated soil with metal debris was removed from the excavation based on visual observations. Metal debris was separated from contaminated soil and placed on the east side of the contaminated soil stockpile. Heavy oil from metal 5-gallon cans that still contained oil was released during removal, creating a heavy oily sheen on the water surface in the excavation. Bubbles surfacing on the water table surface, which stabilized at a depth of 7 feet bgs, were observed indicating more debris below the water table. Wyser retained Mar-Vac on August 16 and 17, 2010 to pump and remove approximately 10,900 gallons of oily contaminated groundwater from the excavation for treatment and disposal.

Medical/pharmaceutical waste, such as assorted sized glass bottles filled with liquid, crystalline material, or tablets and ampoules of surgical sutures, was encountered further east (approximately 55 feet east from the western edge) on August 17, 2010, after excavating and removing most of the metal drums/cans debris mixed in with contaminated soil. During soil removal, most of the bottles and debris associated with medical/pharmaceutical waste were separated out by hand for each track hoe bucket placed on the contaminated soil stockpile. The medical waste was observed within fine-grained sand and beneath a storm water drain pipe starting at a depth of 4 feet bgs, and extending to a depth of 6 feet bgs. The drain pipe

was removed, and the excavation extended further east approximately 21 feet beyond the east edge of the metal debris, and extending to a depth ranging from 6 to 7 feet bgs (Figure 4).

Contaminated soil removal activities at the Southwest Excavation were completed and closure soil samples were collected from the sidewalls above the water table on August 18, 2010. Nine (9) closure sidewall samples were collected from the Southwest Excavation including (Figure 4):

- Samples FCS-SW-SSW, FCS-SW-W, and FCS-SW-NNW collected from sidewalls near monitoring well HCMW-1;
- Samples FCS-SW-WNW, FCS-SW-NMID, and FCS-SW-SMID collected from sidewalls adjacent to where the metal oil drums/cans debris was encountered; and
- Samples FCS-SW-NE, FCS-SW-E, and FCS-SW-SE collected from sidewalls adjacent to where the medical/pharmaceutical waste was encountered.

4.8.4 ANALYTICAL RESULTS OF CLOSURE AND CONTAMINATED STOCKPILE SOIL SAMPLES FROM THE SOUTHWEST EXCAVATION

Analytical results of the nine closure sidewall soil samples collected from the Southwest Excavation and the composited contaminated soil stockpile sample FCS-HP-01 indicate the following:

- No measurable concentrations of gasoline-, diesel-, or heavy oil-range TPH were detected above laboratory reporting limits in any of the nine closure samples. Contaminated stockpile sample FCS-HP-01 contained 36 milligrams per kilogram (mg/kg) gasoline-, 66 mg/kg diesel-, and 400 mg/kg lube oil-range TPH.
- No measurable concentrations of VOCs were detected above laboratory reporting limits in any of the nine closure samples. Stockpile sample FCS-HP-01 contained 0.08 mg/kg ethylbenzene, 0.6 mg/kg xylenes, 0.037 mg/kg TCE, 2.2 mg/kg naphthalene, and six other VOCs that are related to petroleum products.
- Naphthalene was detected in closure sidewall samples collected adjacent to the buried metal oil drums/cans portion of the excavation including FCS-SW-NNW (0.049 mg/kg), FCS-SW-WNW (0.048 mg/kg), and FCS-SW-NMID (0.013 mg/kg), and in the contaminated stockpile sample FCS-HP-01 (0.036 mg/kg). Six other non-carcinogenic PAHs also were detected in closure sample FCS-SW-NMID at concentrations ranging from 0.010 to 0.11 mg/kg, and in the contaminated stockpile sample FCS-HP-01 at concentrations ranging from 0.016 to 0.33 mg/kg. No measureable concentrations of carcinogenic PAHs were detected above laboratory reporting limits in any of the nine closure samples and the contaminated stockpile sample.
- No measureable concentrations of PCBs were detected above laboratory reporting limits in any of the nine closure samples or the contaminated stockpile sample.
- Arsenic was detected in seven of the nine closure samples and the stockpile sample at concentrations ranging from 1.01 to 11.6 mg/kg. Barium was detected in all nine closure samples and the stockpile sample at concentrations ranging from 8.05 to 19.1 mg/kg. Chromium was detected in all nine closure samples and the stockpile sample at concentrations ranging from 4.47 to 7.08 mg/kg. Lead was detected in six of the

nine closure samples and the stockpile sample at concentrations ranging from 1.02 to 176 mg/kg. No measurable concentrations of cadmium, mercury, selenium, or silver were detected above laboratory reporting limits in any of the nine closure samples and the contaminated stockpile sample.

4.9 CONTAMINATED SOIL DISPOSAL

Once closure and stockpile characterization samples analytical results were reported and assessed after soil removal from each excavation, EHSI authorized Wyser to dispose of the contaminated soils. Wyser loaded and transported a total of 1,018 tons of contaminated soils removed from the Central, South, and Southwest Excavations to the CEMEX facility on August 3-5, and 16-24, 2010. Contaminated soils were disposed of as class 3 soils and thermally desorbed. In addition, Wyser loaded and transported asphalt pavement removed from these three excavation areas for recycling at the United Recycling facility in Seattle, Washington. Copies of the disposal weight tickets and manifest are provided in Appendix B.

4.10 CONTAMINATED WATER DISPOSAL

Approximately 10,900 gallons of oily-contaminated groundwater pumped and removed from the Southwest Excavation into liquid tanker trucks was transported and treated by Mar-Vac at their facility on August 16 and 17, 2010. Copies of the bills of lading and manifest are provided in Appendix C.

4.11 HAZARDOUS AND NON-HAZARDOUS WASTE DISPOSAL

KET completed hazardous material characterization and re-packing for transportation of medical/pharmaceutical waste removed from the SW Excavation on September 7, 2010. Hazardous material characterization of unknown liquid and solid materials contained in glass bottles were tested for pH, flash point, and flame tests. Similar-characteristic materials were placed in either steel or high-density polyethylene drums and packed with vermiculite. Based on the hazardous characterization results, the following hazardous substances identified in glass bottles and jars were separated and placed in each of the eight drums/containers with similar-characteristic materials:

- Liquid hydrochloric and sulfuric acid (corrosive liquids, acidic);
- Liquid mineral spirits, and boilable gut sutures in sealed glass tubes contained in xylenes (flammable liquids);
- Mineral oil/water mixture (flammable liquids);
- Magnesium sulfate, calcium chloride, calcium sulfate, trace glycol/water solution, and sulfathiazole (hazardous/toxic liquids);
- Bottles with residues of embalming fluids (formaldehyde, methanol, phenol, and magnesium sulfate), atropine sulfate, calcium acetate, and chloroform (toxic liquids);
- Sodium and calcium hydroxide solutions (corrosive liquids, basic); and
- Non-boilable gut sutures in sealed glass tubes contained in ethanol, and phenylmercuric benzoate.

Each drum/container was labeled according to its contents. All eight hazardous drums containing the medical/pharmaceutical waste, and seven non-hazardous 55-gallon steel

drums containing crushed metal oil drums/cans were picked up for transportation and disposal (medical waste) or recycling (metal debris) by KET on September 13, 2010. Copies of the hazardous and non-hazardous waste manifests are provided in Appendix D. Note: the manifests in Appendix D are not fully executed manifests until the waste is accepted at the designated treatment, storage, and disposal (TSD) facility.

5.0 SITE RESTORATION ACTIVITIES

All three excavation areas were backfilled with a combination of quarry rock spalls, gravel pit run fill, excavated overburden soils, and 1 ¼-minus gravel. Following the completion of the removal of contaminated soils from each excavation, and the results of closure samples indicate no contaminants in soil above regulatory cleanup levels, EHSI directed Wyser to backfill the excavation. The quarry rock spalls was used to backfill the water-filled excavation to a level above the water table. Pit run fill and excavated overburden soils were placed on top of the quarry rock spalls in 1- to 2-foot thick lifts, and compacted each soil lift to 90% using a large compaction roller. The excavation was then brought up to surface grade with 1 ¼-minus gravel. Copies of imported material weight tickets are provided in Appendix B.

Wyser replaced the storm water drain pipe that was removed during excavating of contaminated soil mixed with medical waste from the Southwest Excavation. Wyser connected the storm water catch basin at the southeast corner to the existing concrete drain pipe at the northeast corner using approximately 35 feet long, 8-inch diameter PVC storm water drain pipe, pipe connectors, and clamps.

6.0 SITE ASSESSMENT OVERVIEW

6.1 SOIL BORING AND MONITORING WELL INSTALLATION

EHSI retained APS to locate underground utilities at each proposed soil boring and monitoring well location prior to executing drilling activities.

6.1.1 WELL BORINGS AND MONITORING WELL INSTALLATION

Four soil borings were advanced at selected locations adjacent to the perimeter of Building 1202 on August 15, 2010 to assess for potential contamination in groundwater based on results from HC geotechnical investigation and groundwater monitoring (groundwater monitoring wells FCS-EHSI-MW1 through FCS-EHSI-MW4; Figure 2). Soil samples obtained during drilling of these borings were logged by an EHSI geologist for soil lithologies and field-screened for indications of contamination. Soils were visually classified in accordance with the Unified Soil Classification System. Soil coloration was determined using Munsell® Soil Color Charts. Field screening included visual inspection for indications of oily sheen or staining and measuring for the presence of ionizable volatile compounds using a PID. Pertinent soil descriptions and classifications, PID readings and other field screening results, and moisture content observations for each boring location were documented on a soil boring log (see Appendix E).

After drilling to the desired depth using a push probe drill rig, a groundwater monitoring well was installed at each of the four selected location on August 16, 2010 (FCS-EHSI-MW1 through FCS-EHSI-MW4; see Figure 2). Each well was constructed of 2-inch inside diameter Schedule 40 polyvinyl chloride (PVC) black casing that is flush-threaded to 0.010-inch slot machine cut PVC well screen casing with a flush-threaded PVC bottom cap. Three

of the four wells each were installed to a maximum depth of 14 feet; well FCS-EHSI-MW2 was installed at a maximum depth of 12.5 feet due to heaving sand conditions. Screened intervals at each well location were determined by the EHSI field geologist based on indications of moisture content observed in soil samples obtained at each sample depth interval during drilling, and static water levels observed in two of the excavations. After drilling to the desired depth, a 10-foot long screened PVC casing with a bottom cap was placed at the bottom of the borehole. A filter pack of clean 10/20-graded Colorado silica sand was placed in the annular space between the casing and the borehole to a height approximately 0.5 foot or more above the top of the screened well casing. Bentonite chips were placed above the filter pack to within 1 foot of the ground surface. The well was capped with a locking well cap. A steel flush-graded well monument was installed in-place over the wellhead and finished surrounding the wellhead and monument with concrete.

6.1.2 SOIL BORINGS IN VICINITY OF SOIL BORING HCB-5

Four soil borings were advanced within the proposed office building footprint on August 16, 2010, in the vicinity of geotechnical soil boring HCB-5, where diesel-range TPH contamination in soil was encountered (soil borings FCS-SB7 through FCS-SB10; Figure 2). Each soil boring was drilled to groundwater to a maximum depth of 8 feet bgs. Soil samples obtained during drilling at each boring location were logged by an EHSI geologist for soil lithologies and field-screened for indications of contamination. One soil sample was collected from each of the four borings within the vadose zone above the water table for chemical analysis. Soil samples were retrieved from the soil-filled plastic liner of the probe soil sampler, and placed directly into sample containers provided by the analytical laboratory.

After drilling and soil sampling has been completed at each boring location, the borehole was backfilled from the bottom of the boring to near the ground surface with bentonite chip seal, and completed at the ground surface with either an asphalt patch or surrounding soil.

6.2 TEST PIT EXPLORATIONS IN VICINITY OF SOIL BORING HCB-5

Three test pit explorations were dug adjacent to the northeast and east of soil boring HCB-5 on August 26, 2010 to assess the potential source of diesel contamination found in soil in this area. Test pit explorations were dug by Wyser using a backhoe equipped with a 1/8-cubic yard bucket. Each test pit was dug to a maximum depth of 7 feet bgs into groundwater. Grab soil samples obtained during test pit excavations were field screened for indications of contamination. Based on field screening results and field observations, one soil sample was collected from the center of the backhoe bucket after scraping the sidewalls of the test pit for chemical analysis. Soil retrieved from the bucket was placed directly into sample containers provided by the laboratory. After soil sampling was completed, each test pit was backfilled with soil excavated from the pit.

6.3 SITE ASSESSMENT DOCUMENTATION

EHSI documented field activities associated with the Federal Center South Site Assessment in a field notebook. Documentation included comprehensive descriptions of field observations during site assessments and sampling activities during soil boring and monitoring well installations. Field observations included soil descriptions of samples collected during drilling, field screening observations and results (i.e., the presence of ionizable VOCs using a PID, sheen, and/or odor); and any problems encountered were documented on a field boring log.

All soil samples placed in laboratory-provided containers were labeled with the following information:

- Project identification number;
- Sample identification number; and
- Sample date and time collected.

Each soil sample collected was given a unique identification number as described below:

> Project Site ID/Source Location/Sample Depth: For example, sample FCS-SB7-5 represents the soil sample collected as part of the Federal Center South (FCS) project, at soil boring 7 (SB7) at the 5-foot sample depth interval.

In addition, the sample chain-of-custody form was completed with EHSI project identification number, the sampler's name, date, and sample identification codes, number of containers, and date and time the sample was collected. The chain-of-custody form was included with the samples transported to the analytical laboratory.

6.4 DECONTAMINATION PROCEDURES

EHSI field personnel wore disposal nitrile gloves for collecting soil samples from plastic-lined probe soil samplers or grab samples from the center of the backhoe bucket. A new pair of gloves was donned for each soil sample collected. No decontamination was required for soil sample collection.

6.5 SAMPLE HANDLING AND SHIPPING

EHSI field personnel checked all sample jars for completeness and cap tightness. The sealed and labeled sample containers were then placed upright in a cooler with frozen blue ice. The sample cooler was placed in a field vehicle to await transportation to the analytical laboratory. All samples collected from each excavation and soil borings were delivered under sample chain-of-custody protocols to FBI laboratory for chemical analysis.

6.6 LABORATORY ANALYSES ON SOIL SAMPLES

A soil sample collected within the vadose zone above the water table in each of the four soil borings (i.e., SB7 through SB10) and a total of four soil samples collected from the three test pit explorations placed in the vicinity of boring HCB-5 were analyzed for diesel- to heavy oil-range TPH (including lube oil) using Ecology Test Method NWTPH-Dx (Table 5).

7.0 SUBSURFACE CONDITIONS

7.1.1 WELL BORINGS

Soils encountered from the four well soil borings consisted of dark grayish brown very fine-grained to fine-grained sand overlying dark brown to black fine-grained sand with alternate layers of silt and variable amounts of organic material. Groundwater was encountered during drilling at depths ranging between 5.5 and 7 feet bgs.

Petroleum-like odor and a slight oily sheen was observed in soil samples collected at and within the water table during drilling of well boring EHSI-MW2. No staining, odor, or other indications of contamination were observed in soil samples retrieved from well borings EHSI-MW1, -MW3, or –MW4.

7.1.2 TEST PIT EXPLORATIONS

Soils encountered from the four soil borings consisted of dark grayish brown fine-grained sand overlying dark brown/black fine-grained sand. Groundwater was encountered between 5 and 6.5 feet bgs during drilling. No staining, odor, or other indications of contamination was observed in soil samples collected from the four soil borings, each drilled to a maximum depth of 8 feet bgs.

Soils encountered from the three test pit explorations excavated northeast and east and adjacent to boring HCB-5 consisted of crushed gravel and silty sand fill overlying dark grayish brown fine-grained sand overlying very dark gray/black fine-grained sand. Fill extended from beneath the asphalt to a depth of 1 ¼ feet bgs. The dark grayish brown sand layer extended from 1 ¼ feet bgs to a depth of 5.5 feet bgs. All three test pits were dug into the very dark gray/black sand to a depth of 7 feet bgs into groundwater.

A slight petroleum-like odor was noted within the vadose zone above the water table in test pit EHSI-TP7, with a PID reading measured at 13.1 parts per million (ppm). A grab sample collected from the black sand within the water table had a strong petroleum-like odor with a PID reading measured at 144.4 ppm. Grab samples collected slightly above and within the water table from EHSI-TP8, which was excavated south of the TP7 and southeast of boring HCB-5, had strong petroleum-like odors and PID readings measured from 389.3 to 443.8 ppm. Grab samples collected within the vadose zone above the water table from EHSI-TP9, which was excavated east of TP8, did not have PID readings above background levels. However, a grab sample collected within the water table in TP9 had a PID reading of 253 ppm.

8.0 SOIL BORINGS/TEST PIT ANALYTICAL RESULTS

8.1 SOIL BORING ANALYTICAL RESULTS

No measureable concentrations of diesel- or lube oil-range TPH above laboratory reporting limits were detected in any of the soil samples collected within the vadose zone above the water table at borings SB7 through SB10.

Copies of the laboratory analytical report associated with soil samples collected from the four soil borings SB7 through SB10 are provided in Appendix A.

8.2 TEST PIT ANALYTICAL RESULTS

Soil sample FCS-TP8-6.5 collected within the water table had concentrations of diesel-range TPH (4,700 mg/kg) and lube oil-range TPH (290 mg/kg). The soil sample collected within the vadose zone above the water table in this test pit (soil sample FCS-TP8-5) had a concentration of diesel-range TPH of 90 mg/kg. No measureable concentrations of diesel- or lube oil-range TPH were detected above laboratory reporting limits from the soil sample collected within the vadose zone above the water table from TP7 (soil sample FCS-TP7-6) or the soil sample collected within the water table from TP9 (soil sample FCS-TP9-6.5).

Copies of the laboratory analytical report associated with soil samples collected from the three test pit explorations TP7 through TP9 are provided in Appendix A.

8.3 SOILS REGULATORY REVIEW

The soil sample analytical results were compared to the MTCA Method A and B Cleanup Levels (WAC 173-340-745) for Unrestricted Land Uses. State regulators and environmental

professionals use MTCA Cleanup Levels to compare levels of contamination in soil. MTCA Cleanup Levels are the concentrations standards where (if exceeded) the State of Washington regulators judge a soil sample to be contaminated.

No measurable concentrations of diesel- or lube oil-range TPH were detected above test method detection limits in any of the closure and stockpile soil samples collected from the Central and South Excavations (Table 3). None of these samples exceeded regulatory cleanup levels.

The Southwest Excavation contaminated soil stockpile characterization sample FCS-HP-01, had a TCE concentration of 0.037 mg/kg; this concentration exceeded the MTCA Method A Soil Cleanup Level for TCE of 0.03 mg/kg. The detected constituents in the nine closure samples Southwest Excavation were at concentrations below their applicable MTCA Method A and B Cleanup Levels (Table 4).

A test pit soil sample (FCS-TP8-6.5) collected from below the water table in the vicinity of soil HCB-5 and beneath the planned building footprint, had a diesel-range TPH concentration of 4,700 mg/kg. At this concentration, the sample diesel-range TPH concentration exceeded the MTCA Method A Soil Cleanup Level of 2,000 mg/kg. Another test pit soil sample (FCS-TP8-5) collected from the same test pit exploration within the vadose zone above the water table had a diesel-range TPH concentration of 90 mg/kg, which was below the MTCA Method A Cleanup Level for diesel-range TPH in soil (2,000 mg/kg) (Table 5).

9.0 GROUNDWATER SAMPLING AND ANALYTICAL RESULTS

9.1 WELL DEVELOPMENT

All four groundwater monitoring wells were developed through a combination of surging and pumping using a battery-operated purge pump attached with polyethylene tubing. Development of the wells continued until levels of fine-grained sand and silt were reduced and water removed from the well was generally of clear quality. Wells EHSI-MW1 and EHSI-MW2 dewatered during purging. Development of each of these wells was stopped for a period ranging from 5 to 15 minutes to allow water to recover prior to continuing development. Approximately 12 gallons was purged from well EHSI-MW1; 5 gallons from EHSI-MW2; 20 gallons from EHSI-MW3; and 15 gallons from EHSI-MW4. Development water from each well was contained in 55-gallon drums and stored temporarily near the well.

9.2 GROUNDWATER SAMPLING PROCEDURE

Prior to groundwater sampling, static water level was measured from each well using an electronic water level meter. Each well was purged between three and five well casing volumes of stagnant water using clean, dedicated polyethylene tubing and a decontaminated purge pump prior to collecting samples. After purging the well, groundwater was allowed to recover in the well before collecting a groundwater sample using a dedicated disposable high-density polyethylene bailer attached to nylon cord. The water sample was poured directly into sample containers provided by the analytical laboratory. Care was taken to ensure that no bubbles or headspace were present when filling 40-ml VOA vials for gasoline-range TPH and VOC analyses. Immediately upon filling, each container was securely capped, labeled, and placed into a chilled cooler for storage prior to and during delivery to the analytical laboratory. The date and time of each sample collected was recorded in the field notebook and on the chain-of-custody form.

9.3 LABORATORY ANALYSES ON GROUNDWATER SAMPLES

Groundwater samples from each of the four monitoring wells were collected on September 28, 2010. All four groundwater samples were submitted under chain-of-custody protocol to the FBI analytical laboratory for the following analyses:

- Gasoline-range TPH using Ecology Test Method NWTPH- Gx;
- Diesel- to lube oil-range TPH using Ecology Test Method NWTPH-Dx;
- VOCs (including BTEX) using U.S. EPA Test Method 8260C;
- PAHs using U.S. EPA Test Method 8270D SIM; and
- Priority Pollutants (PP) metals (including arsenic, cadmium, chromium, copper, lead, mercury, nickel, and zinc) using U.S. EPA Test Methods 6010B and 7471A (for mercury only). All four groundwater samples were filtered by the laboratory prior to dissolved PP metals analysis.

9.4 GROUNDWATER ANALYTICAL RESULTS

Groundwater analytical results of samples collected from monitoring wells EHSI-MW1 through EHSI-MW4 are summarized in Table 6, and indicate the following:

No measurable concentrations of gasoline-range TPH were detected in any of the groundwater samples collected from the four wells. Diesel-range TPH was detected in groundwater samples collected from three of the four monitoring wells at concentrations ranging from 59 to 780 micrograms per liter (µg/L). No measurable concentration of diesel-range TPH was detected in the groundwater sample collected from EHSI-MW3. A lube oil-range TPH concentration of 280 µg/L was detected in the groundwater sample from EHSI-MW2; no measureable concentrations of lube oil-range TPH were detected in groundwater from the remaining three wells.

Benzene was detected in the groundwater sample collected from EHSI-MW2 at a concentration of 5.1 µg/L. Vinyl chloride was detected in groundwater samples collected from wells EHSI-MW1 (2.7 µg/L), EHSI-MW2 (0.97 µg/L), and EHSI-MW4 (0.26 µg/L). Two VOCs that are biodegradation-related compounds to vinyl chloride (trans-1,2-dichloroethene and cis-1,2-dichloroethene) also were detected in the sample collected from EHSI-MW1. Five VOCs that are constituents commonly associated with petroleum products were detected in the sample collected from well EHSI-MW-2. No VOCs were detected above laboratory reporting limits in the groundwater sample collected from EHSI-MW3.

Between three and six non-carcinogenic PAHs were detected in groundwater samples collected from wells EHSI-MW1 and EHSI-MW2. Chrysene, a carcinogenic PAH compound, was detected in the groundwater sample collected from EHSI-MW1 at a concentration of 0.13 µg/L. Because none of the six remaining carcinogenic PAH compounds were detected in this sample, the concentration for total carcinogenic PAHs was calculated at 0.0013 µg/L using the toxicity equivalency factor (TEF).

Dissolved arsenic was detected in groundwater samples from all four wells at concentrations ranging from 1.17 to 11.6 µg/L. Dissolved total chromium was detected in the groundwater sample collected from well EHSI-MW2 at a concentration of 1.42 µg/L; no measureable concentrations of dissolved total chromium were detected in groundwater from the remaining

three wells. Dissolved copper was detected in groundwater from three of the four wells at concentrations ranging from 1.01 to 4.07 µg/L; copper was not detected above laboratory reporting limit in the sample collected from EHSI-MW4. Dissolved nickel was detected in groundwater samples from all four wells at concentrations ranging from 1.25 to 2.32 µg/L. Dissolved zinc also was detected in groundwater samples from all four wells at concentrations ranging from 2.86 to 7.25 µg/L. No dissolved cadmium, lead, or mercury was detected in any of the four groundwater samples submitted for analysis.

Copies of the laboratory analytical report associated with the groundwater samples collected from the four monitoring wells EHSI-MW1 through EHSI-MW4 are provided in Appendix A.

9.5 GROUNDWATER REGULATORY REVIEW

The groundwater sample analytical results were compared to the MTCA Method A and B Cleanup Levels (WAC 173-340-745) for Unrestricted Land Uses. State regulators and environmental professionals use MTCA Cleanup Levels to compare levels of contamination in groundwater. MTCA Cleanup Levels are the concentrations standards where (if exceeded) the State of Washington regulators judge a groundwater sample to be contaminated.

The groundwater sample collected from monitoring well EHSI-MW2 had a diesel-range TPH concentration of 780 µg/L, which exceeded the MTCA Method A Groundwater Cleanup Level of 500 µg/L. The diesel-range TPH concentration detected in samples collected from EHSI-MW1 (59 µg/L) and EHSI-MW4 (370 µg/L) were below the MTCA Method A Groundwater Cleanup Level. The lube oil-range TPH concentration of 280 µg/L detected in groundwater collected from EHSI-MW2 was below the MTCA Method A Groundwater Cleanup Level of 500 µg/L for lube oil in groundwater.

The benzene concentration detected in the groundwater sample collected from EHSI-MW2 (5.1 µg/L) exceeded the MTCA Method A Groundwater Cleanup Level of 5 µg/L. The vinyl chloride concentrations detected in samples collected from three of the four monitoring wells (ranging from 0.26 to 2.7 µg/L) exceeded the MTCA Method A Groundwater Cleanup Level of 0.2 µg/L. The two vinyl chloride-related VOCs detected in the sample collected from EHSI-MW1 and the five VOCs detected in the sample collected from EHSI-MW2 were at concentrations below their applicable MTCA Method B Groundwater Cleanup Levels.

No established regulatory cleanup levels are available for the six non-carcinogenic PAHs detected in groundwater samples collected from EHSI-MW1 and EHSI-MW2. Chrysene, a carcinogenic PAH compound, was detected in the groundwater sample collected from EHSI-MW1 at a concentration (0.13 µg/L). Because none of the remaining six carcinogenic PAH compounds were detected in the sample from EHSI-MW1, the total carcinogenic PAH concentration was calculated at 0.0013 µg/L using the TEF calculation. This total carcinogenic PAH concentration was below the MTCA Method A Groundwater Cleanup Level of 0.1 µg/L established for total carcinogenic PAHs in groundwater.

Dissolved arsenic was detected in a groundwater sample collected from EHSI-MW2 (11.6 µg/L) at a concentration that exceeded the MTCA Method A Groundwater Cleanup Level of 5 µg/L established for arsenic in groundwater. None of the other detected dissolved metal concentrations in all four groundwater samples exceeded their applicable MTCA Method A or B Groundwater Cleanup Levels.

10.0 CONTAMINATED SOIL REMOVAL AND SITE ASSESSMENT CONCLUSIONS

EHSI supervised the removal of 1,018 tons of contaminated soils from three excavations identified by recent field investigation across the parking lot west of Federal Center South Building 1202. In addition to contaminated soils, buried oil drums and cans, plus medical/pharmaceutical waste encountered in the Southwest Excavation were separated from contaminated soil, characterized, and transported off-site for disposal and recycling. Based on visual observations and confirmation from soil analytical testing, all three excavations at Federal Center South are free of diesel- to lube oil-range TPH and VOCs contaminated soil.

No diesel contamination in soil was detected in samples collected from the four soil borings (SB7 through SB10) advanced in 40-foot centers from boring HCB-5 and within the proposed building footprint. However, diesel contamination was detected in soil samples collected within the water table in test pit TP8, and noted in soil based on field screening results within the water table at test pits TP7 and TP9.

Four groundwater monitoring wells EHSI-MW1 through EHSI-MW4 were installed around the perimeter of Building 1202. An oily sheen and petroleum-like odor were noted in soil samples collected in fine-grained sand within the water table during drilling and soil sampling of well boring EHSI-MW2 located in the alley between Buildings 1201 and 1202. An oily sheen on the water surface also was noted during well development of monitoring well EHSI-MW2. Analytical results of the groundwater sample collected from well EHSI-MW2 confirmed that diesel and lube oil contamination exist in the vicinity. Vinyl chloride was detected in groundwater from three of the four monitoring wells at concentrations exceeded the MTCA Method A Groundwater Cleanup Level of 0.2 µg/L (no vinyl chloride was detected in the groundwater sample collected from the southwest corner at well EHSI-MW3). The presence of vinyl chloride in groundwater confirmed the analytical results of the sample collected and analyzed from HC monitoring well HCMW-3. A dissolved arsenic concentration that exceeded the MTCA Method A Groundwater Cleanup Level of 5 µg/L was detected in the groundwater sample collected from well EHSI-MW2.

11.0 VAPOR INTRUSION SCREENING

Potential petroleum hydrocarbon contamination was identified in subsurface soil boring HCB-5, located within the foot print of the new Federal Center South building (Figure 2). Analyses of test pit soil samples from this area indicated that diesel-range petroleum hydrocarbons in excess of the MTCA Method A Cleanup Levels for Unrestricted Land Uses were present in an area that by design would be below the planned footprint of the new Federal Center South building. The MTCA Unrestricted Land Use Soil Cleanup Standards for Soil Vapors (WAC 173-340-740(C)) exempt the evaluation of soil vapor pathway whenever diesel-range TPH concentrations are below the threshold concentration of 10,000 mg/kg. However, a review of the Ecology Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action (Ecology Publication Number 09-09-047), Section 3.1.3 (Tier I: Using Soil Gas Concentration Data) indicates that soil gas assessments are warranted in locations where the water table is less than 15 feet bgs and where there has been an exceedance of MTCA Cleanup Levels.

Soil vapor sampling was conducted on September 27, 2010, under the direction of an EHSI field geologist. Soil vapor samples were collected by driving a stainless steel soil vapor probe equipped with a retractable tip to the target sampling depth (between 5.5 and 6.5 feet

bgs) using direct-push drilling equipment. A total of three samples were collected in Tedlar bags and submitted under chain-of-custody protocol to ESN Northwest laboratory in Bellevue, Washington, for analysis of individual VOCs (including BTEX) using U.S. EPA Test Method 8260 (soil gas samples AP-1 through AP-3).

Indicator hazardous substances are the specific chemicals or compounds associated with a release that pose a potential threat to human health or the environment. For the future Federal Center South Building site, potential IHSs were selected based on the diesel-range hydrocarbons detected in soil samples collected from the site. Table 7 (attached) provides a summary of the potential IHSs, which include both individual VOCs and TPH fractions that were either detected in laboratory samples and/or are listed in Table 830-1 of the MTCA Cleanup Regulation Chapter 173-340-900. Only those compounds in Table 830-1 that are associated with diesel-range organics releases are included as potential IHSs. The potential IHSs for this site (listed on Table 7) are the VOCs benzene; toluene; ethylbenzene; and xylenes.

11.1 VAPOR INTRUSION SCREENING RESULTS

Laboratory results indicated that VOCs in all three samples analyzed by U.S. EPA Method 8260 were below laboratory method reporting limits (MRLs). The U.S. EPA Method 8260 MRLs ranged from less than 10 to less than 100 micrograms per cubic meter ($\mu g/m^3$) for each of the individual VOCs.

11.2 VAPOR INTRUSION SCREENING CONCLUSIONS

The potential for concentrations of IHSs to exceed indoor air cleanup levels in the new building was evaluated in two steps consistent with the approach identified in the MTCA cleanup regulations (WAC 173-340-740(3)(c)(iv)(B)). However, there were no detections of BTEX compounds in concentrations above the test method detection limits (Table 7). On the basis of the absence of IHSs in the vadose soils located within the planned footprint of the new Federal Center South building, EHSI concluded that there is no likelihood that VOCs in soil vapor beneath the future Federal Center South building will cause an unacceptable risk to the future building occupants.

12.0 RECOMMENDATIONS

All readily identifiable and documented chemical contamination liabilities were mitigated from the three excavation areas at Federal Center South parking lot west of Building 1202. Further environmental work involving groundwater monitoring and sampling is recommended at the Federal Center South parking lot to assess for the reduction of contaminant concentrations in groundwater following source removal.

13.0 REFERENCES

AAL. 2010a. Unpublished laboratory analytical report prepared by Advanced Analytical Laboratory of Redmond, Washington for Hart Crowser, Inc. regarding groundwater analytical data on samples collected from three monitoring wells installed at the Federal Center South facility. AAL Project ID Number A00506-2, dated May 17, 2010.

AAL. 2010b. Unpublished laboratory analytical report prepared by Advanced Analytical Laboratory of Redmond, Washington for Hart Crowser, Inc. regarding soil analytical data on

samples collected from nine soil borings installed at the Federal Center South facility. AAL Project ID Number A00515-1, dated May 20, 2010.

AMEC. 2010. NEPA Environmental Assessment – Redevelopment of Federal Center South Building 1202, 4735 East Marginal Way South, Seattle, Washington 98134. Report was prepared for the US General Services Administration by AMEC. February 24, 2010.

Ecology. 1997. Analytical Methods for Petroleum Hydrocarbons. Washington State Department of Ecology, Toxics Cleanup Program and the Ecology Environmental Laboratory. Ecology publication no. ECY 97-602. June 1997.

Ecology. 2001. Model Toxics Control Act Cleanup Levels and Risk Calculations (CLARC), Version 3.1. Washington State Department of Ecology, Toxics Cleanup Program. Ecology publication no. 94-145. Revised November 2001.

Ecology. 2007. Model Toxics Control Act (MTCA) Statute and Regulation – Model Toxics Control Act Chapter 70.105D Revised Code of Washington (RCW), Uniform Environmental Covenants Act Chapter 64.70 RCW, MTCA Cleanup Regulation Chapter 173-340 Washington Administrative Code (WAC). Washington State Department of Ecology, Toxics Cleanup Program. Ecology publication no. 94-06. Revised November 2007.

Ecology. 2009. Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action. Ecology Publication no. 09-09-047 Review Draft October 2009.

EHSI. 2008. U.S. General Services Administration, Groundwater Monitoring Activities, Federal Center South, Former Motor Pool – Final Report. The report was prepared for the US General Services Administration by EHS-International, Inc. of Bellevue, Washington. November 13, 2008.

EHSI. 2009. GSA Federal Center South Facility, Warehouse #1202, Phase II Environmental Site Assessment – Final Report. The report was prepared for the US General Services Administration by EHS-International, Inc. of Bellevue, Washington. September 30, 2009.

Google Earth. 2010. June 12, 2010 aerial photograph of the Federal Center South property and surrounding area. Visited Google Earth website in July 2010: www.google.com.

Hart Crowser (HC). 2010. Figure 1 – Site and Exploration Plan, Federal Center South, Seattle, Washington. Figure shows locations of soil borings, test pit explorations, groundwater monitoring wells, and the proposed Federal Center South office building. HC Project Number 17626-00, dated May 2010.

Herrera. 1999. Underground Storage Tank Site Assessment – Federal Center South, 4735 East Marginal Way South, Seattle, Washington. The report was prepared for the US General Services Administration by Herrera Environmental Consultants, Inc. of Seattle, Washington. May 3, 1999.

Herrera. 2000. Environmental Site Assessment and Ground Water Monitoring – Federal Center South, 4735 East Marginal Way South, Seattle, Washington. The report was prepared for the US General Services Administration by Herrera Environmental Consultants, Inc. of Seattle, Washington. January 7, 2000.

Herrera. 2001. Baseline Ground Water Monitoring – Federal Center South, 4735 East Marginal Way South, Seattle, Washington. The report was prepared for the US General

Services Administration by Herrera Environmental Consultants, Inc. of Seattle, Washington. December 11, 2001.

Herrera. 2003. Independent Remedial Action – Federal Center South, 4735 East Marginal Way South, Seattle, Washington. The report was prepared for the US General Services Administration by Herrera Environmental Consultants, Inc. of Seattle, Washington. July 17, 2003.

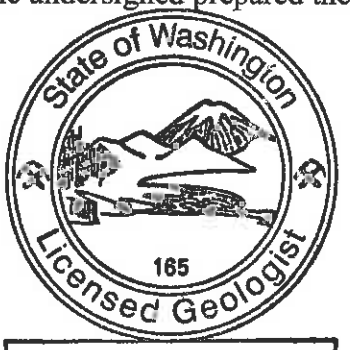
Herrera. 2005. Supplemental Site Characterization – Federal Center South, 4735 East Marginal Way South, Seattle, Washington. The report was prepared for the US General Services Administration by Herrera Environmental Consultants, Inc. of Seattle, Washington. April 7, 2005.

King County. 2010. Online King County Interactive Mapping Tool, King County Department of Assessments. Visited King County website on September 1, 2010: http://www.kingcounty.gov/operations/gis/Maps/iMAP.aspx.

MSRMaps. 2010. Downloaded from Microsoft Research Maps website the US Geological Survey Seattle, Washington 7.5-Minute Topographic Quadrangle Map, dated July 1983. Visited MSRMaps website on September 1, 2010: http://msrmaps.com/default.aspx.

14.0 SIGNATURES

The undersigned prepared the Interim Soil Remediation and Site Assessment Final Report.



Diana M. Phelan, L.G.
Washington Licensed Geologist

10/12/2010
Date

Miguel A. Ortega, L.G.
Washington Licensed Geologist

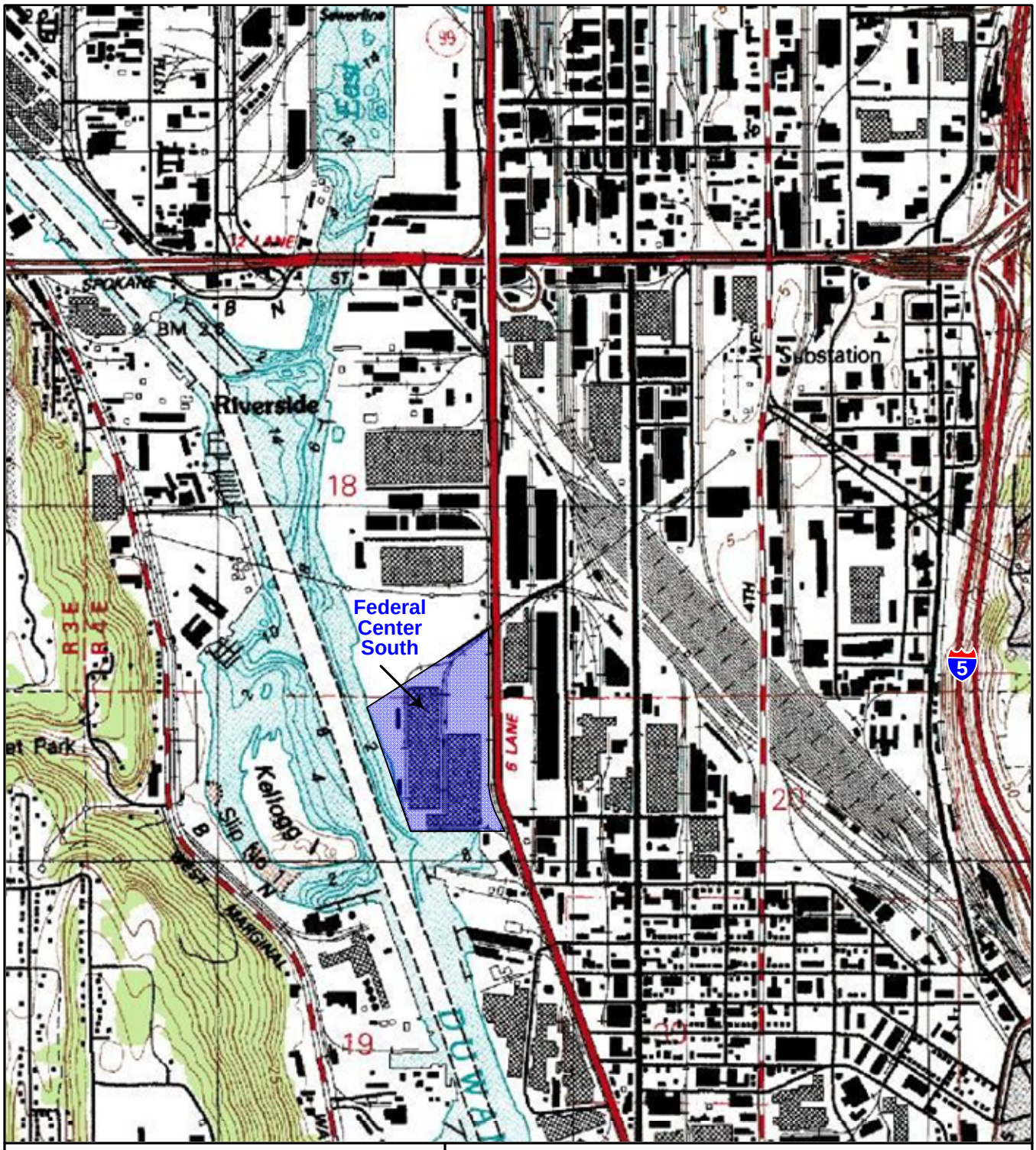
12 October 2010
Date

15.0 PROJECT LIMITATIONS

The conclusions presented in report are professional opinions based upon our visual field observations and chemical analyses at the Federal Center South property. This report is intended exclusively for the purpose outline herein and at the site location and project indicated. This report is for the sole use of our client, GSA. Opinions and conclusions presented herein apply to site conditions existing at the time of execution of our Federal Center South Interim Soil Remediation and Site Assessment and do not necessarily apply to future changes or other prior conditions at the site of which EHSI is not aware and has not had the opportunity to evaluate. The scope of services performed in execution of this Interim Soil Remediation and Site Assessment may not be appropriate to satisfy the needs of other users, and any use or re-use of the document or the findings, conclusions, or recommendations presented is at the sole risk of the said user.

EHSI's objective is to perform our work with care, exercising the customary thoroughness and competence of environmental consulting professionals in the relevant disciplines. Furthermore, we carried out our services in accordance with the standard for professional services by a consulting firm at the time those services were rendered. It is important to recognize that even the most comprehensive scope of services may fail to detect environmental liability on a particular site. Therefore, EHSI cannot act as insures and cannot "certify or underwrite" that a site is totally free of environmental liability. In addition, no expressed or implied representation or warranty is included or intended in our report except that our work was performed within the limits prescribed by our client, and with the customary thoroughness and competence of our profession.

FIGURES

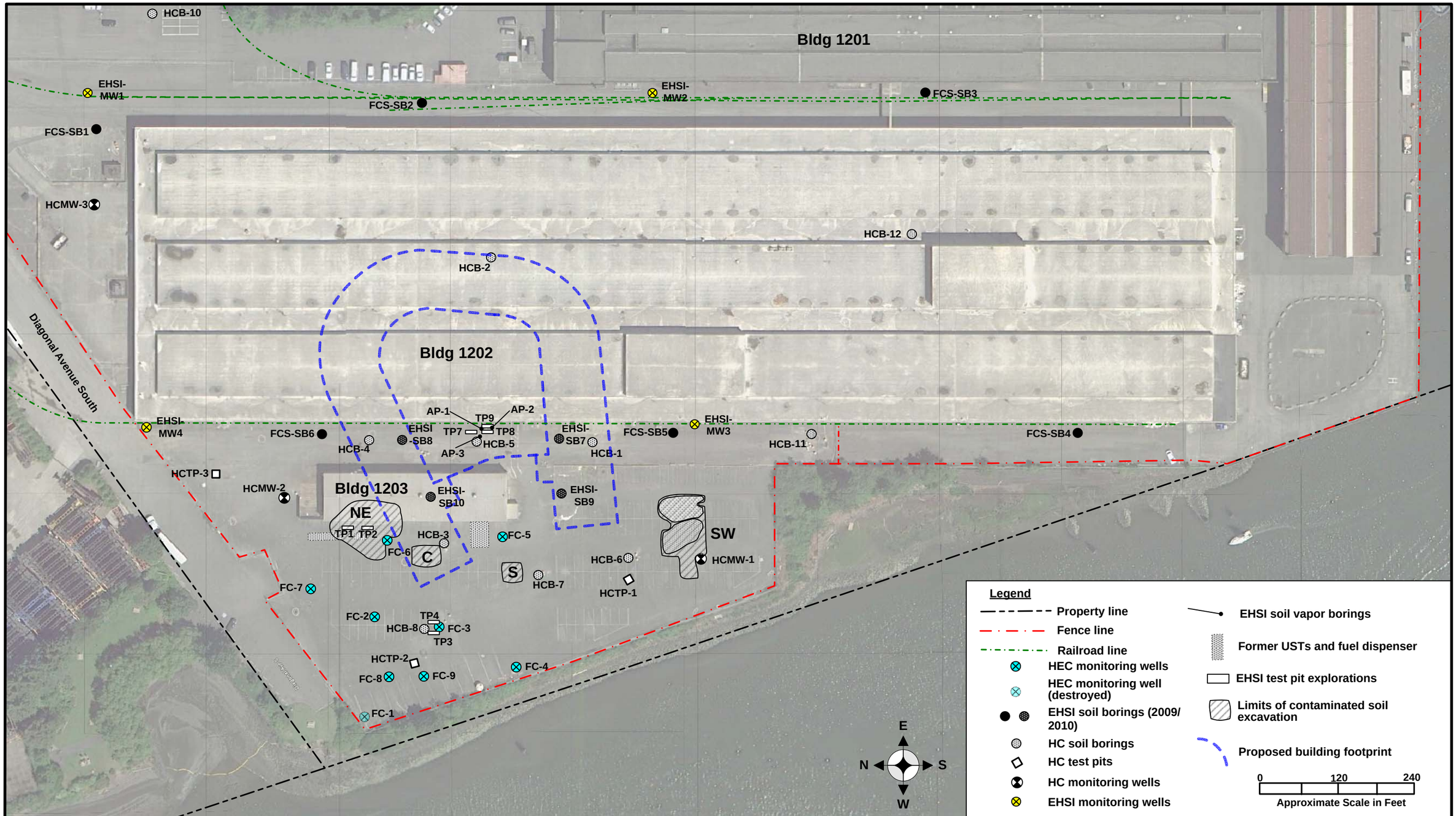


Scale: 1:24,000

Reference: US Geological Survey Seattle, Washington 7.5-Minute Quadrangle Map Photo revised 1983 (MSR Maps 2010)

Figure 1
Site Location Map
US General Services Administration
Federal Center South
Seattle, Washington 98134

EHS International, Inc.	**September 2010**



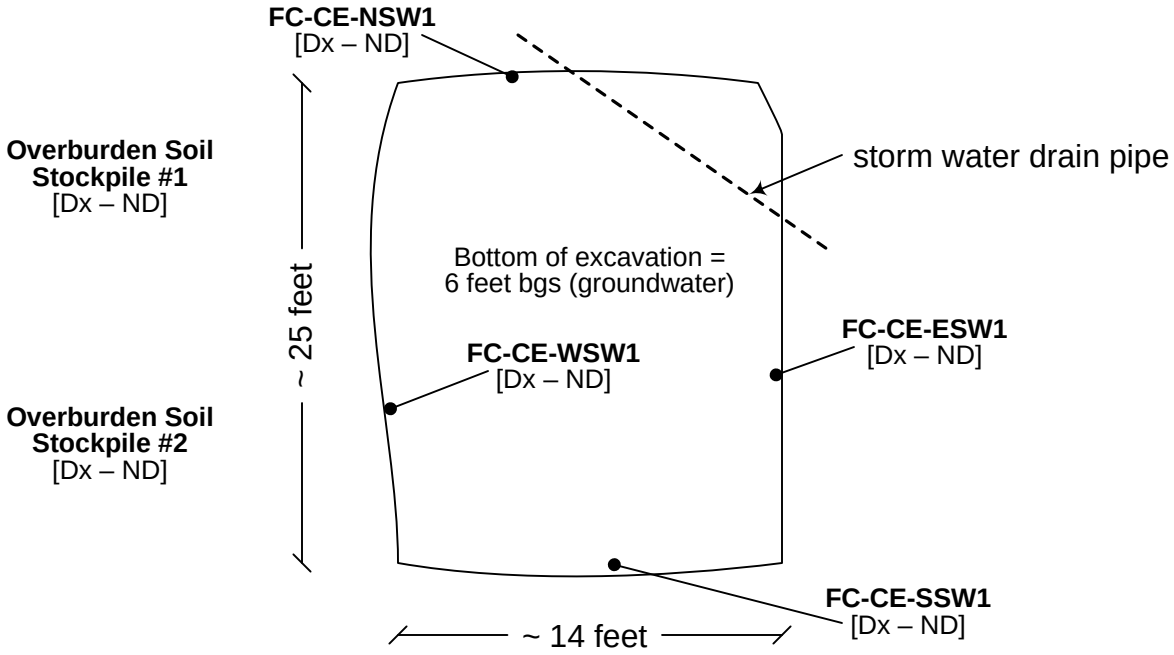
EHS–International, Inc.

Sources: EHSI 2009; Google Earth 2010 (base aerial photograph); HC 2010; Herrera 2000, 2001.

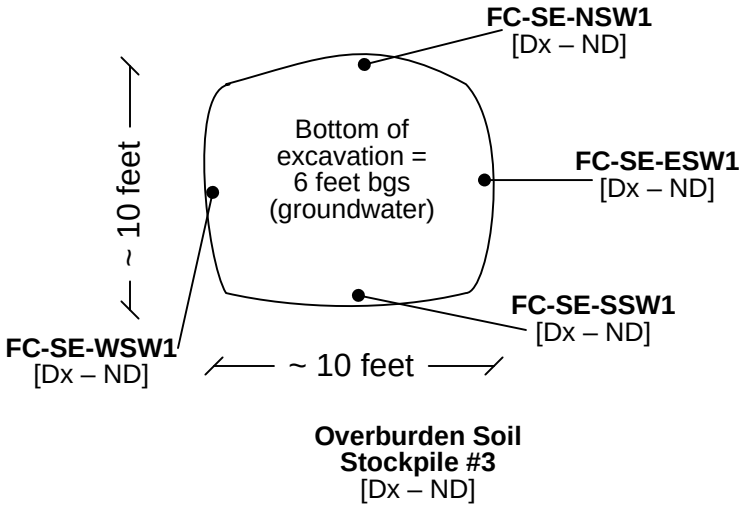
October 2010

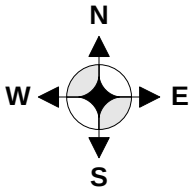
Figure 2
Site Layout Map – GSA Federal Center South
Seattle, Washington

Central Excavation



South Excavation





Not to Scale

Notes:
Dx = Diesel- and lube oil-range TPH
ND = Not detected above lab reporting limits (diesel = 50 ppm; lube oil = 250 ppm).

Figure 3
Soil Sample Location Sketch Map
Central and South Excavations
GSA Federal Center South
Seattle, Washington 98134

EHS International, Inc. | **October 2010**

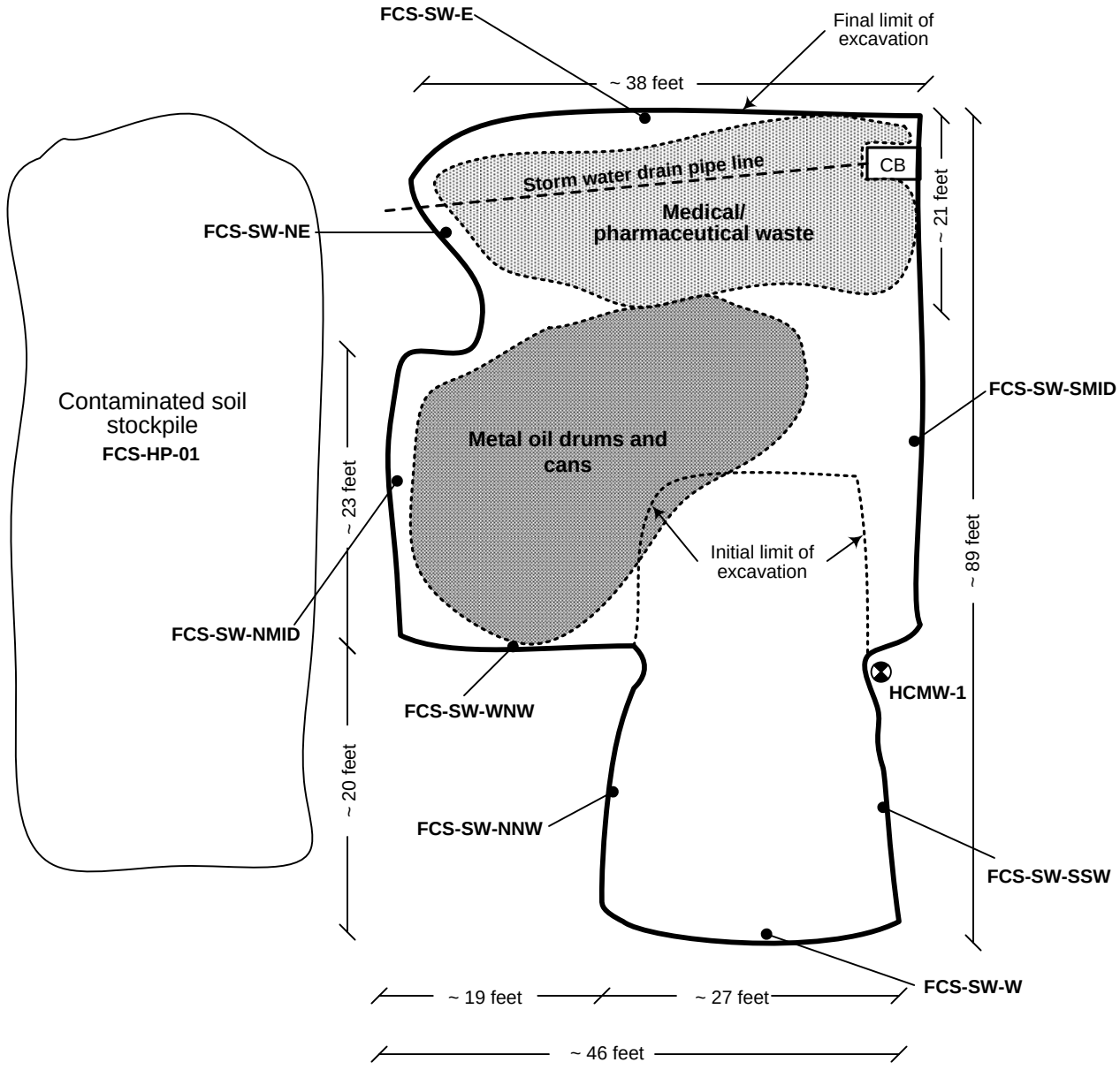


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Figure 4
Soil Sample Location Sketch Map
Southwest Excavation
GSA Federal Center South
Seattle, Washington 98134

EHS International, Inc. | **October 2010**

TABLES

TABLE 1: SAMPLE SOURCE INFORMATION
INTERIM SOIL REMEDIATION AND SITE ASSESSMENT
FEDERAL CENTER SOUTH, SEATTLE, WASHINGTON

SOIL SAMPLE	SOURCE LOCATION	SAMPLE DEPTH (FEET BGS[1])
FC-CE-NSW1	Grab soil sample from the north sidewall of the Central Excavation	5
FC-CE-ESW1	Grab soil sample from the east sidewall of the Central Excavation	5
FC-CE-SSW1	Grab soil sample from the south sidewall of the Central Excavation	5
FC-CE-WSW1	Grab soil sample from the west sidewall of the Central Excavation	5
FC-CE-SP1	Composited soil sample from the excavated overburden soil stockpile #1 from the Central Excavation	0.5 (6 inches)
FC-CE-SP2	Composited soil sample from the excavated overburden soil stockpile #2 from the Central Excavation	0.5 (6 inches)
FC-SE-NSW1	Grab soil sample from the north sidewall of the South Excavation	5
FC-SE-ESW1	Grab soil sample from the east sidewall of the South Excavation	5
FC-SE-SSW1	Grab soil sample from the south sidewall of the South Excavation	5
FC-SE-WSW1	Grab soil sample from the west sidewall of the South Excavation	5
FC-SP-3	Composited soil sample from the excavated overburden soil stockpile #3 from the South Excavation	0.5 (6 inches)
FCS-SW-SSW	Grab soil sample from the south-southwest corner and sidewall of the Southwest Excavation	6
FCS-SW-W	Grab soil sample from the west sidewall of the Southwest Excavation	6

TABLE 1: SAMPLE SOURCE INFORMATION
INTERIM SOIL REMEDIATION AND SITE ASSESSMENT
FEDERAL CENTER SOUTH, SEATTLE, WASHINGTON

SOIL SAMPLE	SOURCE LOCATION	SAMPLE DEPTH (FEET BGS[1])
FCS-SW-NNW	Grab soil sample from the north-northwest corner and sidewall of the Southwest Excavation	6
FCS-SW-WNW	Grab soil sample from the west-northwest corner and sidewall of the Southwest Excavation	6
FCS-SW-NMID	Grab soil sample from the north middle sidewall of the Southwest Excavation	6
FCS-SW-SMID	Grab soil sample from the south middle sidewall of the Southwest Excavation	6
FCS-SW-SE	Grab soil sample from the southeast corner and sidewall of the Southwest Excavation	6
FCS-SW-E	Grab soil sample from east sidewall of the Southwest Excavation	6
FCS-SW-NE	Grab soil sample from northeast corner and sidewall of the Southwest Excavation	6
FCS-HP-01	Composited soil sample from the excavated contaminated soil stockpile HP of the Southwest Excavation	0.5 (6 inches)
FCS-SB7-5	Soil sample collected within the vadose zone above the water table from soil boring 7	5
FCS-SB8-5	Soil sample collected within the vadose zone above the water table from soil boring 8	5
FCS-SB9-4.5	Soil sample collected within the vadose zone above the water table from soil boring 9	4.5
FCS-SB10-4.5	Soil sample collected within the vadose zone above the water table from soil boring 10	4.5
FCS-TP7-6	Grab soil sample collected within the vadose zone above the water table from test pit 7	6

TABLE 1: SAMPLE SOURCE INFORMATION
INTERIM SOIL REMEDIATION AND SITE ASSESSMENT
FEDERAL CENTER SOUTH, SEATTLE, WASHINGTON

SOIL SAMPLE	SOURCE LOCATION	SAMPLE DEPTH (FEET BGS[1])
FCS-TP8-5	Grab soil sample collected within the vadose zone above the water table from test pit 8	5
FCS-TP8-6.5	Grab soil sample collected within the water table from test pit 8	6.5
FCS-TP9-6.5	Grab soil sample collected within the water table from test pit 9	6.5

EXPLANATION
[1]BGS – below ground surface.

TABLE 2: MAP COORDINATES INFORMATION[1]
INTERIM SOIL REMEDIATION AND SITE ASSESSMENT
FEDERAL CENTER SOUTH, SEATTLE, WASHINGTON

SITE FEATURE	LATITUDE	LONGITUDE
HEC Monitoring Wells[2]		
FC1[3]	47° 33.603' N	122° 20.644' W
FC2	47° 33.605' N	122° 20.612' W
FC3	47° 33.587' N	122° 20.616' W
FC4	47° 33.575' N	122° 20.629' W
FC5	47° 33.577' N	122° 20.595' W
FC6	47° 33.600' N	122° 20.597' W
FC7	47° 33.612' N	122° 20.612' W
FC8	47° 33.603' N	122° 20.629' W
FC9	47° 33.593' N	122° 20.629' W
EHSI 2009 Soil Borings[4]		
FCS-SB1	47° 33.646' N	122° 20.496' W
FCS-SB2	47° 33.593' N	122° 20.483' W
FCS-SB3	47° 33.518' N	122° 20.483' W
FCS-SB4	47° 33.482' N	122° 20.570' W
FCS-SB5	47° 33.552' N	122° 20.569' W
FCS-SB6	47° 33.610' N	122° 20.568' W
HC 2010 Soil Borings[5]		
HCB-1	47° 33.563' N	122° 20.571' W
HCB-2	47° 33.582' N	122° 20.522' W
HCB-3	47° 33.590' N	122° 20.596' W
HCB-4	47° 33.602' N	122° 20.570' W
HCB-5	47° 33.582' N	122° 20.571' W
HCB-6	47° 33.557' N	122° 20.599' W
HCB-7	47° 33.572' N	122° 20.604' W
HCB-8	47° 33.589' N	122° 20.617' W
HCB-9[6]	47° 33.679' N	122° 20.417' W
HCB-10	47° 33.638' N	122° 20.462' W
HCB-11	47° 33.529' N	122° 20.570' W
HCB-12	47° 33.510' N	122° 20.518' W

TABLE 2: MAP COORDINATES INFORMATION[1]
INTERIM SOIL REMEDIATION AND SITE ASSESSMENT
FEDERAL CENTER SOUTH, SEATTLE, WASHINGTON

SITE FEATURE	LATITUDE	LONGITUDE
HC 2010 Test Pit Explorations[5]		
HCTP-1	47° 33.558' N	122° 20.605' W
HCTP-2	47° 33.593' N	122° 20.625' W
HCTP-3	47° 33.626' N	122° 20.579' W
HC 2010 Groundwater Monitoring Wells[5]		
HCMW-1	47° 33.547' N	122° 20.600' W
HCMW-2	47° 33.615' N	122° 20.583' W
HCMW-3	47° 33.646' N	122° 20.508' W
EHSI Test Pit Explorations		
TP1	47° 33.608' N	122° 20.592' W
TP2	47° 33.604' N	122° 20.592' W
TP3	47° 33.589' N	122° 20.618' W
TP4	47° 33.589' N	122° 20.616' W
TP7[7]	47° 33.583' N	122° 20.570' W
TP8	47° 33.581' N	122° 20.570' W
TP9	47° 33.581' N	122° 20.568' W
Central Excavation (CE)		
Northwest corner	47° 33.596' N	122° 20.600' W
Northeast corner	47° 33.596' N	122° 20.597' W
Southeast corner	47° 33.591' N	122° 20.597' W
Southwest corner	47° 33.591' N	122° 20.600' W
South Excavation (SE)		
Northwest corner	47° 33.580' N	122° 20.608' W
Northeast corner	47° 33.580' N	122° 20.601' W
Southeast corner	47° 33.578' N	122° 20.601' W
Southwest corner	47° 33.578' N	122° 20.608' W
Southwest Excavation (SW)		
Northwest corner	47° 33.553' N	122° 20.600' W
Northeast corner	47° 33.553' N	122° 20.583' W
Southeast corner	47° 33.546' N	122° 20.583' W

TABLE 2: MAP COORDINATES INFORMATION[1]
INTERIM SOIL REMEDIATION AND SITE ASSESSMENT
FEDERAL CENTER SOUTH, SEATTLE, WASHINGTON

SITE FEATURE	LATITUDE	LONGITUDE
Southwest corner	47° 33.547' N	122° 20.606' W
West-Northwest corner	47° 33.549' N	122° 20.606' W
East-Northwest corner	47° 33.549' N	122° 20.600' W
Northeast Excavation (NE)		
Northwest corner	47° 33.602' N	122° 20.599' W
North corner	47° 33.608' N	122° 20.594' W
Northeast corner	47° 33.605' N	122° 20.587' W
Southeast corner	47° 33.598' N	122° 20.587' W
South-Southwest corner	47° 33.598' N	122° 20.597' W
Southwest corner	47° 33.600' N	122° 20.599' W
EHSI Groundwater Monitoring Wells		
EHSI-MW1	47° 33.650' N	122° 20.485' W
EHSI-MW2	47° 33.562' N	122° 20.483' W
EHSI-MW3	47° 33.548' N	122° 20.569' W
EHSI-MW4	47° 33.638' N	122° 20.569' W
EHSI Soil Borings		
EHSI-SB7	47° 33.571' N	122° 20.572' W
EHSI-SB8	47° 33.595' N	122° 20.570' W
EHSI-SB9	47° 33.571' N	122° 20.583' W
EHSI-SB10	47° 33.591' N	122° 20.584' W

EXPLANATION

Refer to Figure 2 – Site Layout Map, Federal Center South, for locations of site features.

[1] The map coordinates for each site feature were obtained using Google Earth 2010 aerial photo of the Federal Center South Facility.

[2] Herrera Environmental Consultants, Inc. (HEC) monitoring wells (Herrera 2000, 2001).

[3] Well FC1 was destroyed sometime after 2002 (EHSI 2008).

[4] EHSI soil borings advanced onsite in 2009 (EHSI 2009).

[5] Hart Crowser (HC) soil borings, test pit explorations, and groundwater monitoring wells installed onsite in May 2010.

[6] Soil boring HCB-9 is not shown on Figure 2. This soil boring was advanced in the parking lot within the northeast corner of the Federal Center South property.

[7] There is no test pit explorations TP5 and TP6.

TABLE 3: CLOSURE AND STOCKPILE SOIL SAMPLES ANALYTICAL RESULTS NWTPH Dx[1]
CENTRAL AND SOUTH EXCAVATIONS
INTERIM SOIL REMEDIATION AND SITE ASSESSMENT
FEDERAL CENTER SOUTH, SEATTLE, WASHINGTON

SAMPLE	SOURCE LOCATION	DIESEL-RANGE HYDROCARBONS (mg/kg)[2]	LUBE OIL-RANGE HYDROCARBONS (mg/kg)
FC-CE-NSW1	North sidewall of the Central Excavation, at a depth of 5 feet bgs	ND[3]	ND
FC-CE-ESW1	East sidewall of the Central Excavation, at a depth of 5 feet bgs	ND	ND
FC-CE-SSW1	South sidewall of the Central Excavation, at a depth of 5 feet bgs	ND	ND
FC-CE-WSW1	West sidewall of the Central Excavation, at a depth of 5 feet bgs	ND	ND
FC-CE-SP1	Excavated overburden soil stockpile #1 from the Central Excavation	ND	ND
FC-CE-SP2	Excavated overburden soil stockpile #2 from the Central Excavation	ND	ND
FC-SE-NSW1	North sidewall of the South Excavation, at a depth of 5 feet bgs	ND	ND
FC-SE-ESW1	East sidewall of the South Excavation, at a depth of 5 feet bgs	ND	ND
FC-SE-SSW1	South sidewall of the South Excavation, at a depth of 5 feet bgs	ND	ND
FC-SE-WSW1	West sidewall of the South Excavation, at a depth of 5 feet bgs	ND	ND
FC-SP-3	Excavated overburden soil stockpile #3 from the South Excavation	ND	ND

EXPLANATION

[1]Diesel- to heavy oil-range TPH (Ecology Test Method NWTPH-Dx).
[2]Analytical values reported in milligrams per kilograms (mg/kg) on a dry-weight basis - parts per million (ppm).
[3]ND - Not Detected, below test method detection limits – Diesel (50 ppm) and Lube Oil (250 ppm).

TABLE 4: CLOSURE AND STOCKPILE SOIL SAMPLES ANALYTICAL RESULTS
SOUTHWEST EXCAVATION
INTERIM SOIL REMEDIATION AND SITE ASSESSMENT
FEDERAL CENTER SOUTH, SEATTLE, WASHINGTON

ANALYTE	MTCA METHOD A/B SOIL CLEANUP LEVELS[1]	FCS-SW-SSW	FCS-SW-W	FCS-SW-NNW	FCS-SW-WNW	FCS-SW-NMID	FCS-SW-SMID	FCS-SW-SE	FCS-SW-E	FCS-SW-NE	FCS-HP-01
[2]Gasoline-range hydrocarbons (mg/kg)	*30/100*[2]	ND[10]	ND	ND	ND	ND	ND	ND	ND	ND	36
[3]Diesel-range hydrocarbons (mg/kg)	*2,000*	ND	ND	ND	ND	ND	ND	ND	ND	ND	66
[3]Heavy oil-range hydrocarbons (mg/kg)	*2,000*	ND	ND	ND	ND	ND	ND	ND	ND	ND	400
[4]Benzene 8021B (mg/kg)	*0.03*	--	--								ND
[4]Toluene 8021B (mg/kg)	*7*	--	--								ND
[4]Ethylbenzene 8021B (mg/kg)	*6*	--	--								0.08
[4]Xylenes 8021B (mg/kg)	*9*	--	--								0.60
[5]VOCs 8260C (mg/kg)			--	--	--	--	--	--	--		
Benzene	*0.03*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	*7*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	*6*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes	*9*	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25
Trichloroethylene	*0.03*	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.037**
Isopropylbenzene	*na*	ND	ND	ND	ND	ND	ND	ND	ND	ND	790
2-Chlorobenzene	*na*	ND	ND	ND	ND	ND	ND	ND	ND	ND	270
1,3,5-Trimethylbenzene	*na*	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15
1,2,4-Trimethylbenzene	*na*	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.56
p-Isopropyltoluene	*na*	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.077
Naphthalene	*5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2
[6]PAHs 8270D SIM (mg/kg)											
Naphthalene	*5*	ND	ND	0.049	0.048	0.013	ND	ND	ND	ND	0.036
Fluorene	*na*	ND	ND	ND	ND	0.033	ND	ND	ND	ND	0.088
Acenaphthene	*na*	ND	ND	ND	ND	0.11	ND	ND	ND	ND	0.33
Phenanthrene	*na*	ND	ND	ND	ND	0.036	ND	ND	ND	ND	0.06
Anthracene	*na*	ND	ND	ND	ND	0.010	ND	ND	ND	ND	0.016
Fluoranthene	*na*	ND	ND	ND	ND	0.021	ND	ND	ND	ND	0.023
Pyrene	*na*	ND	ND	ND	ND	0.015	ND	ND	ND	ND	0.016
cPAHs	*0.1*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
[7]PCBs 8082A (mg/kg)	*0.1*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4: CLOSURE AND STOCKPILE SOIL SAMPLES ANALYTICAL RESULTS
SOUTHWEST EXCAVATION
INTERIM SOIL REMEDIATION AND SITE ASSESSMENT
FEDERAL CENTER SOUTH, SEATTLE, WASHINGTON

ANALYTE	MTCA METHOD A/B SOIL CLEANUP LEVELS[1]	FCS-SW-SSW	FCS-SW-W	FCS-SW-NNW	FCS-SW-WNW	FCS-SW-NMID	FCS-SW-SMID	FCS-SW-SE	FCS-SW-E	FCS-SW-NE	FCS-HP-01
[8]RCRA Metals (mg/kg)											
Arsenic	*20*	1.29	ND	1.45	ND	2.05	1.79	11.6	1.01	3.73	2.27
Barium	*16,000*	9.11	8.14	9.43	8.05	9.39	10.1	10.4	8.31	10.7	19.1
Cadmium	*2*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	*19/2,000*[9]	4.65	4.47	4.95	5.50	5.05	5.68	6.04	5.75	4.78	7.08
Lead	*250*	ND	ND	1.97	ND	1.02	1.70	1.19	1.16	176	4.81
Mercury	*2*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	*400*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	*400*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

EXPLANATION

Analytical values reported in milligrams per kilograms (mg/kg) on a dry-weight basis – parts per million (ppm).
Analytical value shown in **boldface** type indicates detected contaminant exceeds regulatory cleanup level.
-- Sample was not analyzed for this constituent.

[1] EcologyMTCA Method A Soil Cleanup Levels for Unrestricted Land Uses and MTCA Method B Soil Cleanup Levels for Unrestricted Land Uses (direct contact only) (Ecology 2007).
[2] Ecology Test Method NWTPH-Gx; Method A soil cleanup level for gasoline-range TPH based on benzene / no benzene present in the soil.
[3] Ecology Test Method NWTPH-Dx (diesel- to lube oil-range TPH).
[4] U.S. EPA Test Method 8021B for benzene, toluene, ethylbenzene, and xylenes.
[5] U.S. EPA Test Method 8260C for volatile organic compounds (VOCs).
[6] U.S. EPA Test Method 8270D SIM for polycyclic aromatic hydrocarbons (PAHs) by selective ion monitoring (SIM) process.
[7] U.S. EPA Test Method 8082A for polychlorinated biphenyls (PCBs).
[8] U.S. EPA Test Method 200.8 for RCRA metals (i.e., arsenic, barium, cadmium, chromium, lead, selenium, and silver) and U.S. EPA Test Method 1631E for mercury in soil.
[9] MTCA Method A soil cleanup level for hexavalent chromium (VI) / chromium III.
[10] ND - Not Detected, below test method detection limits – Gasoline (2 ppm); Diesel (50 ppm); Lube Oil (250 ppm); Benzene, Toluene, and Ethylbenzene (0.02 ppm); Xylenes (0.06 ppm); VOCs (0.25-0.5 ppm range); PAHs (0.01 ppm); PCBs (0.1 ppm); RCRA metals (1 ppm); Mercury (0.2 ppm).

TABLE 5: SOIL SAMPLES ANALYTICAL RESULTS NWTPH Dx[1]
SOIL BORINGS SB7-SB10 AND TEST PITS TP7-TP9
INTERIM SOIL REMEDIATION AND SITE ASSESSMENT
FEDERAL CENTER SOUTH, SEATTLE, WASHINGTON

SAMPLE	SOURCE LOCATION	DIESEL-RANGE HYDROCARBONS (mg/kg)[2]	LUBE OIL-RANGE HYDROCARBONS (mg/kg)
FCS-SB7-5	Within the vadose zone above the water table from soil boring 7, at a depth of 5 feet bgs	ND	ND
FCS-SB8-5	Within the vadose zone above the water table from soil boring 8, at a depth of 5 feet bgs	ND	ND
FCS-SB9-4.5	Within the vadose zone above the water table from soil boring 9, at a depth of 4.5 feet bgs	ND	ND
FCS-SB10-4.5	Within the vadose zone above the water table from soil boring 10, at a depth of 4.5 feet bgs	ND	ND
FCS-TP7-6	Within the vadose zone above the water table from test pit 7, at a depth of 6 feet bgs	ND	ND
FCS-TP8-5	Within the vadose/capillary zone above the water table from test pit 8, at a depth of 5 feet bgs	90	ND
FCS-TP8-6.5	Within the water table from test pit 8, at a depth of 6.5 feet bgs	**4,700**	290
FCS-TP9-6.5	Within the water table from test pit 9, at a depth of 6.5 feet bgs	ND	ND
MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses (Ecology 2007)		*2,000*	*2,000*

EXPLANATION

[1] Diesel- to heavy oil-range TPH (Ecology Test Method NWTPH-Dx).
[2] Analytical values reported in milligrams per kilograms (mg/kg) on a dry-weight basis - parts per million (ppm).
[3] ND - Not Detected, below test method detection limits – Diesel (50 ppm) and Lube Oil (250 ppm).
Analytical value shown in **boldface** type indicates detected contaminant exceeds regulatory cleanup level.

TABLE 6: GROUNDWATER ANALYTICAL RESULTS
MONITORING WELLS EHSI-MW1 THROUGH EHSI-MW4
INTERIM SOIL REMEDIATION AND SITE ASSESSMENT
FEDERAL CENTER SOUTH, SEATTLE, WASHINGTON

ANALYTE	MTCA METHOD A/B GROUNDWATER CLEANUP LEVELS[1]	EHSI-MW1	EHSI-MW2	EHSI-MW3	EHSI-MW4
[2]Gasoline-range hydrocarbons (µg/L)	*800 / 1,000* [2]	ND [7]	ND	ND	ND
[3]Diesel-range hydrocarbons (µg/L)	*500*	59	**780**	ND	370
[3]Heavy oil-range hydrocarbons (µg/L)	*500*	ND	280	ND	ND
[4]VOCs 8260C (µg/L)					
Benzene	*5*	ND	**5.1**	ND	ND
Toluene	*1,000*	ND	ND	ND	ND
Ethylbenzene	*700*	ND	ND	ND	ND
Xylenes	*1,000*	ND	ND	ND	ND
Vinyl Chloride	*0.2*	**2.7**	**0.97**	ND	**0.26**
Trans-1,2-Dichloroethene	*160*	1.5	ND	ND	ND
Cis-1,2-Dichloroethene	*80*	14	ND	ND	ND
1,1-Dichloroethane	*1,600*	ND	2.0	ND	ND
Chlorobenzene	*160*	ND	3.5	ND	ND
2-Chlorotoluene	*160*	ND	2.0	ND	ND
1,2,4-Trimethylbenzene	*400*	ND	1.0	ND	ND
1,2-Dichlorobenzene	*720*	ND	2.6	ND	ND
[5]PAHs 8270D SIM (µg/L)					
Acenaphthene	*na*	1.1	ND	ND	ND
Fluorene	*na*	0.32	ND	ND	ND
Phenanthrene	*na*	0.96	0.15	ND	ND
Anthracene	*na*	0.17	ND	ND	ND

TABLE 6: GROUNDWATER ANALYTICAL RESULTS
MONITORING WELLS EHSI-MW1 THROUGH EHSI-MW4
INTERIM SOIL REMEDIATION AND SITE ASSESSMENT
FEDERAL CENTER SOUTH, SEATTLE, WASHINGTON

ANALYTE	MTCA METHOD A/B GROUNDWATER CLEANUP LEVELS[1]	EHSI-MW1	EHSI-MW2	EHSI-MW3	EHSI-MW4
Fluoranthene	*na*	1.0	0.15	ND	ND
Pyrene	*na*	0.96	0.15	ND	ND
Chrysene (cPAH)	*na*	0.13	ND	ND	ND
cPAHs (total)	*0.1*	0.0013	ND	ND	ND
[6]Priority Pollutants Dissolved Metals (µg/L)					
Arsenic	*5*	1.80	**11.6**	1.68	1.17
Cadmium	*5*	ND	ND	ND	ND
Chromium	*50*	ND	1.42	ND	ND
Copper	*590*	1.01	1.33	4.07	ND
Lead	*15*	ND	ND	ND	ND
Mercury	*2*	ND	ND	ND	ND
Nickel	*320*	1.36	2.05	1.25	2.32
Zinc	*4,800*	7.25	2.86	3.57	3.39

EXPLANATION
Analytical values reported in micrograms per liter (µg/L) – parts per billion (ppb).
Analytical value shown in **boldface** type indicates detected contaminant exceeds regulatory cleanup level.
[1] Ecology MTCA Method A and Method B Groundwater Cleanup Levels (Ecology 2007).
[2] Ecology Test Method NWTPH-Gx; Method A groundwater cleanup level for gasoline-range TPH based on benzene / no benzene present in groundwater.
[3] Ecology Test Method NWTPH-Dx (diesel- to heavy oil-range TPH).
[4] U.S. EPA Test Method 8260C for volatile organic compounds (VOCs).
[5] U.S. EPA Test Method 8270D for polycyclic aromatic hydrocarbons (PAHs) by selective ion monitoring (SIM) process.
[6] U.S. EPA Test Method 200.8 for Priority Pollutants metals (i.e., arsenic, cadmium, chromium, copper, lead, nickel, and zinc) and U.S. EPA Test Method 1631E for mercury in groundwater.
[7] ND - Not Detected, below test method detection limits – Gasoline (100 ppb); Diesel (50 ppb); Lube Oil (250 ppb); Benzene (0.35 ppb); Toluene, Ethylbenzene, and Xylenes (1.0 ppb); VOCs (0.2-10 ppb range); PAHs (0.1 ppb); PP metals (1 ppb); Mercury (0.2 ppb).

TABLE 7: SOIL VAPOR ANALYTICAL RESULTS VOCs[1]
SOIL VAPOR SAMPLES AP-1 THROUGH AP-3
INTERIM SOIL REMEDIATION AND SITE ASSESSMENT
FEDERAL CENTER SOUTH, SEATTLE, WASHINGTON

SAMPLE ID	BENZENE (mg/m^3) [2]	TOLUENE (mg/m^3)	ETHYLBENZENE (mg/m^3)	XYLENES (mg/m^3)
AP-1	ND [3]	ND	ND	ND
AP-2	ND	ND	ND	ND
AP-3	ND	ND	ND	ND

EXPLANATION

[1] U.S. EPA Test Method 8260 for volatile organic compounds (VOCs).
[2] Analytical values reported in milligrams per cubic meter (mg/m^3).
[3] ND - Not Detected, below test method detection limits – Benzene, Toluene, Ethylbenzene, and Xylenes (0.01 mg/m^3).

APPENDIX A: LABORATORY ANALYTICAL REPORTS

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

August 9, 2010

Miguel Ortega, Project Manager
EHS International
12810 NE 20th St, Ste 100
Bellevue, WA 98005

Dear Mr. Ortega:

Included are the results from the testing of material submitted on August 2, 2010 from the 10048-04 Federal Center South, F&BI 008009 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
NAA0809R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 2, 2010 by Friedman & Bruya, Inc. from the EHS International 10048-04 Federal Center South, F&BI 008009 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	EHS International
008009-01	FC-CE-NSW1
008009-02	FC-CE-ESW1
008009-03	FC-CE-SSW1
008009-04	FC-CE-WSW1
008009-05	FC-CE-SP1
008009-06	FC-CE-SP2

All quality control requirements were acceptable.

Date of Report: 08/09/10
Date Received: 08/02/10
Project: 10048-04 Federal Center South, F&BI 008009
Date Extracted: 08/03/10
Date Analyzed: 08/03/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
FC-CE-NSW1 008009-01	<50	<250	79
FC-CE-ESW1 008009-02	<50	<250	79
FC-CE-SSW1 008009-03	<50	<250	79
FC-CE-WSW1 008009-04	<50	<250	79
FC-CE-SP1 008009-05	<50	<250	77
FC-CE-SP2 008009-06	<50	<250	75
Method Blank 00-1156 MB	<50	<250	81

Date of Report: 08/09/10
Date Received: 08/02/10
Project: 10048-04 Federal Center South, F&BI 008009

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 008009-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	86	97	73-135	11

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	88	74-139

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

008009

SAMPLE CHAIN OF CUSTODY ME 08/02/10 C04

Send Report To Miguel Ortega
Company EHS International
Address 12810 NE 20th St., STE 100
City, State, ZIP Bellevue, WA 98005
Phone # (425) 455-2959 Fax #

SAMPLERS (signature) Jason Cass
PROJECT NAME/NO. 10048-04 Federal Center South
PO #
REMARKS Call Jason (425) 218-0124 with results
*24 hr. TAT

Page # 1 of 1

TURNAROUND TIME
☐ Standard (2 Weeks)
☒ RUSH 24 hr. TAT
Rush charges authorized by:

SAMPLE DISPOSAL
☒ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS						Notes
FC-CE-NSW1	01	8/2/10	15:15	Soil	1	X											
FC-CE-ESW1	02	"	15:30	"	1	X											
FC-CE-SSW1	03	"	15:45	"	1	X											
FC-CE-WSW1	04	"	16:00	"	1	X											
FC-CE-SP1	05A-C	"	16:10	"	3	X											Composite
FC-CE-SP2	06A-C	"	16:20	"	3	X											Composite

ANALYSES REQUESTED

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jason Cass	Jason Cass	EHSI	8/2/10	17:00
Received by:	[signature]	Nhan Phan	FEBI	8/3/10	V
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

Samples received at 20 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

August 12, 2010

Miguel Ortega, Project Manager
EHS International
13228 NE 20th St, Ste 100
Bellevue, WA 98005

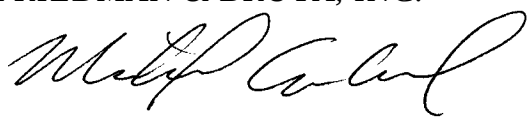
Dear Mr. Ortega:

Included are the results from the testing of material submitted on August 3, 2010 from the Federal Center South 10048-04, F&BI 008022 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
NAA0812R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 3, 2010 by Friedman & Bruya, Inc. from the EHS International Federal Center South 10048-04, F&BI 008022 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	EHS International
008022-01	FC-SE-NSW1
008022-02	FC-SE-SSW1
008022-03	FC-SE-ESW1
008022-04	FC-SE-WSW1
008022-05	FC-TP1-5
008022-06	FC-TP2-5
008022-07	FC-SP-3

All quality control requirements were acceptable.

Date of Report: 08/12/10
Date Received: 08/03/10
Project: Federal Center South 10048-04, F&BI 008022
Date Extracted: 08/04/10
Date Analyzed: 08/04/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
FC-TP1-5 008022-05	<0.02	<0.02	<0.02	<0.06	<2	62
FC-TP2-5 008022-06	<0.02	<0.02	<0.02	<0.06	3.9	56
Method Blank 00-1129 MB2	<0.02	<0.02	<0.02	<0.06	<2	55

Date of Report: 08/12/10
Date Received: 08/03/10
Project: Federal Center South 10048-04, F&BI 008022
Date Extracted: 08/04/10
Date Analyzed: 08/04/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx
Sample Extracts Passed Through a Silica Gel Column Prior to Analysis
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
FC-SE-NSW1 008022-01	<50	<250	73
FC-SE-SSW1 008022-02	<50	<250	67
FC-SE-ESW1 008022-03	<50	<250	71
FC-SE-WSW1 008022-04	<50	<250	63
FC-TP1-5 008022-05	<50	<250	85
FC-TP2-5 008022-06	<50	<250	60
FC-SP-3 008022-07	<50	<250	61
Method Blank 00-1163 MB	<50	<250	70

Date of Report: 08/12/10
Date Received: 08/03/10
Project: Federal Center South 10048-04, F&BI 008022

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 008008-01 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	102	66-121
Toluene	mg/kg (ppm)	0.5	105	72-128
Ethylbenzene	mg/kg (ppm)	0.5	103	69-132
Xylenes	mg/kg (ppm)	1.5	108	69-131
Gasoline	mg/kg (ppm)	20	80	61-153

Date of Report: 08/12/10
Date Received: 08/03/10
Project: Federal Center South 10048-04, F&BI 008022

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 008022-03 (Matrix Spike) Silica Gel

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	90	84	73-135	7

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	87	74-139

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

miguel@ehsintl.com

008022

SAMPLE CHAIN OF CUSTODY ME 08/03/10 US1/C03

Page # 1 of 1

Send Report To Miguel Ortega
Company EHS International
Address 128 W NE 20th St. Ste. E
City, State, ZIP Bellevue, WA 98005
Phone #(425)455-2959 Fax #

SAMPLERS (signature) Jason Cass
PROJECT NAME/NO. Federal Center South 10048-04
PO #
REMARKS
24-hr. TAT
* Silica gel prep

TURNAROUND TIME
☐ Standard (2 Weeks)
☒ RUSH 24 hr. TAT
Rush charges authorized by: Nhan Phan

SAMPLE DISPOSAL
☒ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel *	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS						Notes
FC-SE-NSW1	01	8/3/10	9:40	Soil	1	X											
FC-SE-SSW1	02		9:40		1	X											
FC-SE-ESW1	03		9:40		1	X											
FC-SE-WSW1	04AE		9:40		1	√											
FC-TP1-5	05AD		10:55		5	X	X	X									
FC-TP2-5	06AC		10:55		4	X	X	X									
FC-SP3	07AC		13:20		3	√											Composite

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jason Cass	Jason Cass	EHSI	8/2/10	16:25
Received by:	Nhan Phan	Nhan Phan	FEBI	8/3/10	1625
Relinquished by:					
Received by:					

Samples received at 20 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

August 26, 2010

Miguel Ortega, Project Manager
EHS International
13228 NE 20th St, Ste 100
Bellevue, WA 98005

Dear Mr. Ortega:

Included are the results from the testing of material submitted on August 19, 2010 from the Federal Center South 10048-11, F&BI 008212 project. There are 45 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Diana Phelan
EHS0826R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 19, 2010 by Friedman & Bruya, Inc. from the EHS International Federal Center South 10048-11, F&BI 008212 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	EHS International
008212-01	FCS-SW-SSW
008212-02	FCS-SW-W
008212-03	FCS-SW-NNW
008212-04	FCS-SW-WNW
008212-05	FCS-SW-NMID
008212-06	FCS-SW-SMID
008212-07	FCS-SW-SE
008212-08	FCS-SW-E
008212-09	FCS-SW-NE

The NWTPH-Gx surrogate for sample FCS-SW-SSW exceeded the acceptance criteria. Gasoline was not detected in the sample, therefore the data were acceptable.

The trichlorofluoromethane 8260C calibration standard did not pass the acceptance criteria. The data were flagged accordingly.

Several 8260C compounds failed below the acceptance criteria in the matrix spike samples. The laboratory control samples met the acceptance criteria, therefore the data were likely due to sample matrix effect.

Several compounds in the 8260C laboratory control sample duplicate exceeded the acceptance criteria. The analytes were not detected in the sample, therefore the data were acceptable.

All other quality control requirements were acceptable.

Date of Report: 08/26/10
Date Received: 08/19/10
Project: Federal Center South 10048-11, F&BI 008212
Date Extracted: 08/19/10 and 08/23/10
Date Analyzed: 08/19/10, 08/20/10, and 08/24/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 58-139)
FCS-SW-SSW 008212-01	<2	164 vo
FCS-SW-W 008212-02	<2	99
FCS-SW-NNW 008212-03	<2	112
FCS-SW-WNW 008212-04	<2	104
FCS-SW-NMID 008212-05	<2	110
FCS-SW-SMID 008212-06	<2	106
FCS-SW-SE 008212-07	<2	102
FCS-SW-E 008212-08	<2	99
FCS-SW-NE 008212-09	<2	92
Method Blank 00-1272 MB	<2	94
Method Blank 00-1305 MB	<2	105

Date of Report: 08/26/10
Date Received: 08/19/10
Project: Federal Center South 10048-11, F&BI 008212
Date Extracted: 08/19/10
Date Analyzed: 08/19/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
FCS-SW-SSW 008212-01	<50	<250	102
FCS-SW-W 008212-02	<50	<250	103
FCS-SW-NNW 008212-03	<50	<250	104
FCS-SW-WNW 008212-04	<50	<250	104
FCS-SW-NMID 008212-05	<50	<250	105
FCS-SW-SMID 008212-06	<50	<250	105
FCS-SW-SE 008212-07	<50	<250	105
FCS-SW-E 008212-08	<50	<250	105
FCS-SW-NE 008212-09	<50	<250	103
Method Blank 00-1285 MB	<50	<250	105

Analysis For Total Metals By EPA Method 200.8

Client ID:	FCS-SW-SSW	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-01
Date Analyzed:	08/19/10	Data File:	008212-01.017
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	104	60	125
Indium	103	60	125
Holmium	101	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	4.65
Arsenic	1.29
Selenium	<1
Silver	<1
Cadmium	<1
Barium	9.11
Lead	<1

Analysis For Total Metals By EPA Method 200.8

Client ID:	FCS-SW-W	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-02
Date Analyzed:	08/19/10	Data File:	008212-02.019
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	97	60	125
Indium	98	60	125
Holmium	96	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	4.47
Arsenic	<1
Selenium	<1
Silver	<1
Cadmium	<1
Barium	8.14
Lead	<1

Analysis For Total Metals By EPA Method 200.8

Client ID:	FCS-SW-NNW	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-03
Date Analyzed:	08/19/10	Data File:	008212-03.020
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	102	60	125
Indium	102	60	125
Holmium	100	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	4.95
Arsenic	1.45
Selenium	<1
Silver	<1
Cadmium	<1
Barium	9.43
Lead	1.97

Analysis For Total Metals By EPA Method 200.8

Client ID:	FCS-SW-WNW	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-04
Date Analyzed:	08/19/10	Data File:	008212-04.021
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	103	60	125
Indium	100	60	125
Holmium	102	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	5.50
Arsenic	<1
Selenium	<1
Silver	<1
Cadmium	<1
Barium	8.05
Lead	<1

Analysis For Total Metals By EPA Method 200.8

Client ID:	FCS-SW-NMID	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-05
Date Analyzed:	08/19/10	Data File:	008212-05.022
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	100	60	125
Indium	105	60	125
Holmium	99	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	5.05
Arsenic	2.05
Selenium	<1
Silver	<1
Cadmium	<1
Barium	9.39
Lead	1.02

Analysis For Total Metals By EPA Method 200.8

Client ID:	FCS-SW-SMID	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-06
Date Analyzed:	08/19/10	Data File:	008212-06.023
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	103	60	125
Indium	101	60	125
Holmium	104	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	5.68
Arsenic	1.79
Selenium	<1
Silver	<1
Cadmium	<1
Barium	10.1
Lead	1.70

Analysis For Total Metals By EPA Method 200.8

Client ID:	FCS-SW-SE	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-07
Date Analyzed:	08/19/10	Data File:	008212-07.024
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	100	60	125
Indium	102	60	125
Holmium	97	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	6.04
Arsenic	11.6
Selenium	<1
Silver	<1
Cadmium	<1
Barium	10.4
Lead	1.19

Analysis For Total Metals By EPA Method 200.8

Client ID:	FCS-SW-E	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-08
Date Analyzed:	08/19/10	Data File:	008212-08.025
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	100	60	125
Indium	98	60	125
Holmium	102	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	5.75
Arsenic	1.01
Selenium	<1
Silver	<1
Cadmium	<1
Barium	8.31
Lead	1.16

Analysis For Total Metals By EPA Method 200.8

Client ID:	FCS-SW-NE	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-09
Date Analyzed:	08/19/10	Data File:	008212-09.026
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	100	60	125
Indium	99	60	125
Holmium	99	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	4.78
Arsenic	3.73
Selenium	<1
Silver	<1
Cadmium	<1
Barium	10.7
Lead	176

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	EHS International
Date Received:	NA	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	I0-450 mb
Date Analyzed:	08/19/10	Data File:	I0-450 mb.012
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	96	60	125
Indium	95	60	125
Holmium	94	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	<1
Arsenic	<1
Selenium	<1
Silver	<1
Cadmium	<1
Barium	<1
Lead	<1

Date of Report: 08/26/10
Date Received: 08/19/10
Project: Federal Center South 10048-11, F&BI 008212
Date Extracted: 08/19/10
Date Analyzed: 08/20/10

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Total Mercury
FCS-SW-SSW 008212-01	<0.2
FCS-SW-W 008212-02	<0.2
FCS-SW-NNW 008212-03	<0.2
FCS-SW-WNW 008212-04	<0.2
FCS-SW-NMID 008212-05	<0.2
FCS-SW-SMID 008212-06	<0.2
FCS-SW-SE 008212-07	<0.2
FCS-SW-E 008212-08	<0.2
FCS-SW-NE 008212-09	<0.2
Method Blank	<0.2

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	FCS-SW-SSW	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-01
Date Analyzed:	08/19/10	Data File:	081913.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	bb

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	116	42	152
Toluene-d8	117	36	149
4-Bromofluorobenzene	117	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5 ca	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.1
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	FCS-SW-W	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-02
Date Analyzed:	08/19/10	Data File:	081914.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	bb

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	123	42	152
Toluene-d8	123	36	149
4-Bromofluorobenzene	123	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5 ca	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.1
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	FCS-SW-NNW	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-03
Date Analyzed:	08/19/10	Data File:	081915.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	bb

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	118	42	152
Toluene-d8	123	36	149
4-Bromofluorobenzene	122	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5 ca	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.1
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	FCS-SW-WNW	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-04
Date Analyzed:	08/19/10	Data File:	081916.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	bb

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	124	42	152
Toluene-d8	122	36	149
4-Bromofluorobenzene	122	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5 ca	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.1
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	FCS-SW-NMID	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-05
Date Analyzed:	08/19/10	Data File:	081917.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	bb

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	124	42	152
Toluene-d8	125	36	149
4-Bromofluorobenzene	123	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5 ca	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.1
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	FCS-SW-SMID	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-06
Date Analyzed:	08/19/10	Data File:	081918.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	bb

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	123	42	152
Toluene-d8	123	36	149
4-Bromofluorobenzene	121	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5 ca	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.1
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	FCS-SW-SE	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-07
Date Analyzed:	08/19/10	Data File:	081919.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	bb

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	121	42	152
Toluene-d8	122	36	149
4-Bromofluorobenzene	118	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5 ca	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.1
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	FCS-SW-E	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-08
Date Analyzed:	08/19/10	Data File:	081920.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	bb

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	121	42	152
Toluene-d8	123	36	149
4-Bromofluorobenzene	118	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5 ca	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	0.59
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.1
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	FCS-SW-NE	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-09
Date Analyzed:	08/19/10	Data File:	081921.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	bb

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	123	42	152
Toluene-d8	124	36	149
4-Bromofluorobenzene	120	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5 ca	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.1
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	EHS International
Date Received:	Not Applicable	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/18/10	Lab ID:	00-1283 mb
Date Analyzed:	08/19/10	Data File:	081840.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	bb

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	121	42	152
Toluene-d8	125	36	149
4-Bromofluorobenzene	118	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5 ca	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5 ca
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.1 ca
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	FCS-SW-SSW	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-01 1/5
Date Analyzed:	08/19/10	Data File:	081908.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	83	50	150
Benzo(a)anthracene-d12	84	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	FCS-SW-W	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-02 1/5
Date Analyzed:	08/19/10	Data File:	081911.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	90	50	150
Benzo(a)anthracene-d12	93	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	FCS-SW-NNW	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-03 1/5
Date Analyzed:	08/19/10	Data File:	081912.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	86	50	150
Benzo(a)anthracene-d12	90	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.049
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	FCS-SW-WNW	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-04 1/5
Date Analyzed:	08/19/10	Data File:	081913.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	86	50	150
Benzo(a)anthracene-d12	89	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.048
Acenaphthylene	<0.01
Acenaphthene	0.011
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	FCS-SW-NMID	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-05 1/5
Date Analyzed:	08/19/10	Data File:	081914.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	91	50	150
Benzo(a)anthracene-d12	92	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.013
Acenaphthylene	<0.01
Acenaphthene	0.11
Fluorene	0.033
Phenanthrene	0.036
Anthracene	0.010
Fluoranthene	0.021
Pyrene	0.015
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	FCS-SW-SMID	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-06 1/5
Date Analyzed:	08/19/10	Data File:	081915.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	87	50	150
Benzo(a)anthracene-d12	85	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	FCS-SW-SE	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-07 1/5
Date Analyzed:	08/19/10	Data File:	081916.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	92	50	150
Benzo(a)anthracene-d12	88	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	FCS-SW-E	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-08 1/5
Date Analyzed:	08/19/10	Data File:	081917.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	87	50	150
Benzo(a)anthracene-d12	87	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	FCS-SW-NE	Client:	EHS International
Date Received:	08/19/10	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	008212-09 1/5
Date Analyzed:	08/19/10	Data File:	081918.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	86	50	150
Benzo(a)anthracene-d12	85	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	Method Blank	Client:	EHS International
Date Received:	Not Applicable	Project:	Federal Center South 10048-11, F&BI 008212
Date Extracted:	08/19/10	Lab ID:	00-1280 mb 1/5
Date Analyzed:	08/19/10	Data File:	081906.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	87	50	150
Benzo(a)anthracene-d12	88	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Date of Report: 08/26/10
Date Received: 08/19/10
Project: Federal Center South 10048-11, F&BI 008212
Date Extracted: 08/19/10
Date Analyzed: 08/19/10 and 08/20/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR PCBs REPORTED AS AROCLORS USING EPA METHOD 8082A

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Aroclor 1221	1232	1016	1242	1248	1254	1260	Surrogate (% Rec.) (Limit 50-150)
FCS-SW-SSW 008212-01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	118
FCS-SW-W 008212-02	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	113
FCS-SW-NNW 008212-03	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	107
FCS-SW-WNW 008212-04	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	126
FCS-SW-NMID 008212-05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	95
FCS-SW-SMID 008212-06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	113
FCS-SW-SE 008212-07	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	106
FCS-SW-E 008212-08	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	124
FCS-SW-NE 008212-09	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	108
Method Blank	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	118

Date of Report: 08/26/10
Date Received: 08/19/10
Project: Federal Center South 10048-11, F&BI 008212

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 008212-02 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	90	61-153

Date of Report: 08/26/10
Date Received: 08/19/10
Project: Federal Center South 10048-11, F&BI 008212

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 008255-01 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	mg/kg (ppm)	<10	<10	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	108	71-131

Date of Report: 08/26/10
Date Received: 08/19/10
Project: Federal Center South 10048-11, F&BI 008212

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 008212-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	106	106	64-133	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	105	58-147

Date of Report: 08/26/10
Date Received: 08/19/10
Project: Federal Center South 10048-11, F&BI 008212

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 007248-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Chromium	mg/kg (ppm)	50	4.50	97	88	51-132	10
Arsenic	mg/kg (ppm)	10	2.32	100 b	103 b	44-151	3
Selenium	mg/kg (ppm)	5	<1	105	88	52-128	18
Silver	mg/kg (ppm)	10	<1	110	104	69-125	6
Cadmium	mg/kg (ppm)	10	<1	111	107	83-120	4
Barium	mg/kg (ppm)	50	88.0	133 b	125 b	47-147	6
Lead	mg/kg (ppm)	20	4.46	102 b	98 b	65-126	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	mg/kg (ppm)	50	110	79-125
Arsenic	mg/kg (ppm)	10	104	80-120
Selenium	mg/kg (ppm)	5	110	81-121
Silver	mg/kg (ppm)	10	109	84-117
Cadmium	mg/kg (ppm)	10	108	89-116
Barium	mg/kg (ppm)	50	102	88-113
Lead	mg/kg (ppm)	20	103	81-120

Date of Report: 08/26/10
Date Received: 08/19/10
Project: Federal Center South 10048-11, F&BI 008212

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Laboratory Code: 007248-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Mercury	mg/kg (ppm)	0.125	<0.2	92	89	45-162	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Mercury	mg/kg (ppm)	0.125	79	63-144

Date of Report: 08/26/10
Date Received: 08/19/10
Project: Federal Center South 10048-11, F&BI 008212

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 008146-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	26	10-171
Chloromethane	mg/kg (ppm)	2.5	<0.5	49	10-162
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	49	10-166
Bromomethane	mg/kg (ppm)	2.5	<0.5	62	20-165
Chloroethane	mg/kg (ppm)	2.5	<0.5	99	10-161
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	85	10-164
Acetone	mg/kg (ppm)	12.5	<0.5	58	34-167
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	72	21-148
Methylene chloride	mg/kg (ppm)	2.5	<0.5	68	38-147
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	67	53-138
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	62	41-148
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	65	54-134
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	65	27-153
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	63	53-143
Chloroform	mg/kg (ppm)	2.5	<0.05	68	59-132
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	60	31-169
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	68	61-132
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	71	51-143
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	67	50-135
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	72	48-141
Benzene	mg/kg (ppm)	2.5	<0.03	68	58-129
Trichloroethene	mg/kg (ppm)	2.5	<0.03	68	57-133
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	66	63-134
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	71	55-140
Dibromomethane	mg/kg (ppm)	2.5	<0.05	68	59-138
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	64	41-166
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	68	59-138
Toluene	mg/kg (ppm)	2.5	<0.05	67	56-136
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	70	61-138
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	66 vo	72-129
2-Hexanone	mg/kg (ppm)	12.5	<0.5	59	51-157
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	65	65-132
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	67	53-136
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	70	57-131
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	65 vo	67-134
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	69	62-125
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	71	62-129
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	73	65-134
m,p-Xylene	mg/kg (ppm)	5	<0.1	71	60-132
o-Xylene	mg/kg (ppm)	2.5	<0.05	71	56-139
Styrene	mg/kg (ppm)	2.5	<0.05	72	63-131
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	74	48-145
Bromoform	mg/kg (ppm)	2.5	<0.05	69	51-137
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	72	52-141
Bromobenzene	mg/kg (ppm)	2.5	<0.05	69	63-134
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	73	59-136
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	58	48-151
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	65	63-135
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	70	54-138
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	71	56-135
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	72	55-140
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	73	63-134
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.05	72	49-142
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	73	61-136
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	70	56-134
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	70	55-130
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	70	57-134
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	54 vo	56-144
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	65	57-141
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	63	52-147
Naphthalene	mg/kg (ppm)	2.5	<0.1	54	35-174
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	58	31-180

Date of Report: 08/26/10
Date Received: 08/19/10
Project: Federal Center South 10048-11, F&BI 008212

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	86	89	10-142	3
Chloromethane	mg/kg (ppm)	2.5	87	91	25-121	4
Vinyl chloride	mg/kg (ppm)	2.5	99	104	36-123	5
Bromomethane	mg/kg (ppm)	2.5	103	107	40-126	4
Chloroethane	mg/kg (ppm)	2.5	115	121	10-281	5
Trichlorofluoromethane	mg/kg (ppm)	2.5	116	120	17-167	3
Acetone	mg/kg (ppm)	12.5	83	90	36-151	8
1,1-Dichloroethene	mg/kg (ppm)	2.5	119	120	48-135	1
Methylene chloride	mg/kg (ppm)	2.5	99	100	42-144	1
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	104	107	73-112	3
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	101	104	65-125	3
1,1-Dichloroethane	mg/kg (ppm)	2.5	105	104	72-120	1
2,2-Dichloropropane	mg/kg (ppm)	2.5	109	115	63-138	5
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	105	106	73-120	1
Chloroform	mg/kg (ppm)	2.5	109	108	73-123	1
2-Butanone (MEK)	mg/kg (ppm)	12.5	92	95	50-133	3
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	109	110	66-125	1
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	114	115	71-131	1
1,1-Dichloropropene	mg/kg (ppm)	2.5	109	110	74-120	1
Carbon tetrachloride	mg/kg (ppm)	2.5	121	123 vo	69-121	2
Benzene	mg/kg (ppm)	2.5	109	109	73-115	0
Trichloroethene	mg/kg (ppm)	2.5	110	110	75-120	0
1,2-Dichloropropane	mg/kg (ppm)	2.5	105	108	78-119	3
Bromodichloromethane	mg/kg (ppm)	2.5	112	114	68-140	2
Dibromomethane	mg/kg (ppm)	2.5	107	109	73-126	2
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	103	103	53-145	0
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	110	111	80-129	1
Toluene	mg/kg (ppm)	2.5	107	107	75-117	0
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	114	113	76-138	1
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	105	104	79-121	1
2-Hexanone	mg/kg (ppm)	12.5	94	96	55-152	2
1,3-Dichloropropane	mg/kg (ppm)	2.5	104	104	75-122	0
Tetrachloroethene	mg/kg (ppm)	2.5	110	110	80-120	0
Dibromochloromethane	mg/kg (ppm)	2.5	112	113	73-126	1
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	104	104	83-122	0
Chlorobenzene	mg/kg (ppm)	2.5	109	109	79-113	0
Ethylbenzene	mg/kg (ppm)	2.5	112	112	74-122	0
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	117	117	74-138	0
m,p-Xylene	mg/kg (ppm)	5	114	114	78-114	0
o-Xylene	mg/kg (ppm)	2.5	114	115	81-116	1
Styrene	mg/kg (ppm)	2.5	116	116	81-121	0
Isopropylbenzene	mg/kg (ppm)	2.5	117	118 vo	82-117	1
Bromoform	mg/kg (ppm)	2.5	111	109	77-121	2
n-Propylbenzene	mg/kg (ppm)	2.5	112	113	76-121	1
Bromobenzene	mg/kg (ppm)	2.5	110	110	77-125	0
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	112	115	77-121	3
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	91	91	75-125	0
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	100	100	69-128	0
2-Chlorotoluene	mg/kg (ppm)	2.5	110	112	73-123	2
4-Chlorotoluene	mg/kg (ppm)	2.5	109	112	74-123	3
tert-Butylbenzene	mg/kg (ppm)	2.5	112	114	80-116	2
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	112	114	77-120	2
sec-Butylbenzene	mg/kg (ppm)	2.5	111	114	79-121	3
p-Isopropyltoluene	mg/kg (ppm)	2.5	113	117	80-123	3
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	107	108	81-115	1
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	106	108	80-113	2
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	108	110	81-116	2
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	84	87	71-128	4
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	105	112	80-118	6
Hexachlorobutadiene	mg/kg (ppm)	2.5	100	105	74-128	5
Naphthalene	mg/kg (ppm)	2.5	82	90	70-122	9
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	92	97	76-125	5

Date of Report: 08/26/10
Date Received: 08/19/10
Project: Federal Center South 10048-11, F&BI 008212

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR PNA'S BY EPA METHOD 8270D SIM

Laboratory Code: 008212-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.17	<0.01	83	87	33-140	5
Acenaphthylene	mg/kg (ppm)	0.17	<0.01	79	83	43-128	5
Acenaphthene	mg/kg (ppm)	0.17	<0.01	80	84	58-108	5
Fluorene	mg/kg (ppm)	0.17	<0.01	86	91	57-113	6
Phenanthrene	mg/kg (ppm)	0.17	<0.01	84	88	45-124	5
Anthracene	mg/kg (ppm)	0.17	<0.01	76	80	42-132	5
Fluoranthene	mg/kg (ppm)	0.17	<0.01	96	96	50-125	0
Pyrene	mg/kg (ppm)	0.17	<0.01	94	96	41-135	2
Benz(a)anthracene	mg/kg (ppm)	0.17	<0.01	80	85	47-113	6
Chrysene	mg/kg (ppm)	0.17	<0.01	86	91	45-122	6
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	<0.01	83	87	24-145	5
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	<0.01	88	94	51-118	7
Benzo(a)pyrene	mg/kg (ppm)	0.17	<0.01	81	85	30-134	5
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	<0.01	74	82	40-138	10
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	<0.01	77	86	51-122	11
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	<0.01	76	85	54-115	11

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.17	84	72-112
Acenaphthylene	mg/kg (ppm)	0.17	79	63-110
Acenaphthene	mg/kg (ppm)	0.17	81	70-111
Fluorene	mg/kg (ppm)	0.17	87	69-110
Phenanthrene	mg/kg (ppm)	0.17	85	68-111
Anthracene	mg/kg (ppm)	0.17	76	67-110
Fluoranthene	mg/kg (ppm)	0.17	91	62-114
Pyrene	mg/kg (ppm)	0.17	91	61-114
Benz(a)anthracene	mg/kg (ppm)	0.17	79	58-108
Chrysene	mg/kg (ppm)	0.17	85	61-112
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	85	54-119
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	87	61-123
Benzo(a)pyrene	mg/kg (ppm)	0.17	77	52-112
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	81	44-133
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	82	57-119
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	81	60-116

Date of Report: 08/26/10
Date Received: 08/19/10
Project: Federal Center South 10048-11, F&BI 008212

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 008212-05 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	<0.1	<0.1	nm
Aroclor 1260	mg/kg (ppm)	<0.1	<0.1	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.8	114	110	60-142	4
Aroclor 1260	mg/kg (ppm)	0.8	122	127	63-144	4

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

008212

SAMPLE CHAIN OF CUSTODY

ME 08/19/10

VS3/BI4

Page # 1 of

Send Report To MIGUEL ORTEGA

Company EHS-INTERNATIONAL, INC.

Address 13228 NE 20th ST, # 100

City, State, ZIP BELLEVUE, WA 98005

Phone # 425-455-2959 Fax # 425-646-7247

SAMPLERS (signature) Diana M. Phelan

PROJECT NAME/NO. FEDERAL CENTER SOUTH 1004E-11

PO #

REMARKS Call results in to Jim O'Malley 425-766-6691 cell

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24 HRS TAT

Rush charges authorized by:

SAMPLE DISPOSAL
- ☒ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	PAHs by 8270	PCBs	RCRA METALS				Notes
						ANALYSES REQUESTED												
FCS-SW-SSW	01A	8/18/10	15:10	SOIL	8	X	X		X			X	X	X				
FCS-SW-W	02A		15:24	SOIL	8	X	X		X			X	X	X				
FCS-SW-NNW	03A		15:35	SOIL	8	X	X		X			X	X	X				
FCS-SW-WNW	04A		15:50	SOIL	DMB 7	X	X		X			X	X	X				
FCS-SW-NMID	05A		16:00	SOIL	8	X	X		X			X	X	X				
FCS-SW-SMID	06A		16:25	SOIL	8	X	X		X			X	X	X				
FCS-SW-SE	07A		16:35	SOIL	8	X	X		X			X	X	X				
FCS-SW-E	08A		16:45	SOIL	8	X	X		X			X	X	X				
FCS-SW-NE	09A		16:55	SOIL	8	X	X		X			X	X	X				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Diana M. Phelan	DIANA M. PHELAN	EHSI	8/19/10	7:58
Received by:		HONG NGUYEN	FBI	✓	✓
Relinquished by:					
Received by:			Samples received at 2 °C		

FORMS\COC\COC.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

August 13, 2010

Miguel Ortega, Project Manager
EHS International
12810 NE 20th St, Ste 100
Bellevue, WA 98005

Dear Mr. Ortega:

Included are the results from the testing of material submitted on August 6, 2010 from the Federal Center South 10048-11, F&BI 008065 project. There are 20 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Diana Phelan
NAA0813R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 6, 2010 by Friedman & Bruya, Inc. from the EHS International Federal Center South 10048-11, F&BI 008065 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	EHS International
008065-01	FCS-HP-01

The 8260C calibration standard did not pass the acceptance criteria for several compounds. The data were flagged accordingly.

All other quality control requirements were acceptable.

Date of Report: 08/13/10
Date Received: 08/06/10
Project: Federal Center South 10048-11, F&BI 008065
Date Extracted: 08/06/10
Date Analyzed: 08/06/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
FCS-HP-01 008065-01	<0.02	<0.02	0.08	0.60	36	68
Method Blank 00-1189 MB	<0.02	<0.02	<0.02	<0.06	<2	59

Date of Report: 08/13/10
Date Received: 08/06/10
Project: Federal Center South 10048-11, F&BI 008065
Date Extracted: 08/06/10
Date Analyzed: 08/07/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
FCS-HP-01 008065-01	66	400	97
Method Blank 00-1196 MB	<50	<250	100

Analysis For Total Metals By EPA Method 200.8

Client ID:	FCS-HP-01	Client:	EHS International
Date Received:	08/06/10	Project:	Federal Center South 10048-11
Date Extracted:	08/06/10	Lab ID:	008065-01
Date Analyzed:	08/09/10	Data File:	008065-01.018
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	61	60	125
Indium	60	60	125
Holmium	64	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	7.08
Arsenic	2.27
Selenium	<1
Silver	<1
Cadmium	<1
Barium	19.1
Lead	4.81

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	EHS International
Date Received:	NA	Project:	Federal Center South 10048-11
Date Extracted:	08/06/10	Lab ID:	I0-427 mb
Date Analyzed:	08/09/10	Data File:	I0-427 mb.008
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	71	60	125
Indium	70	60	125
Holmium	75	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	<1
Arsenic	<1
Selenium	<1
Silver	<1
Cadmium	<1
Barium	<1
Lead	<1

Date of Report: 08/13/10
Date Received: 08/06/10
Project: Federal Center South 10048-11, F&BI 008065
Date Extracted: 08/06/10
Date Analyzed: 08/06/10

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Total Mercury
FCS-HP-01 008065-01	<0.2
Method Blank	<0.2

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	FCS-HP-01	Client:	EHS International
Date Received:	08/06/10	Project:	Federal Center South 10048-11
Date Extracted:	08/06/10	Lab ID:	008065-01
Date Analyzed:	08/06/10	Data File:	080615.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	42	152
Toluene-d8	104	36	149
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5 ca	1,3-Dichloropropane	<0.05
Chloromethane	<0.5 ca	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5 ca	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	0.12
Methylene chloride	<0.5	o-Xylene	0.13
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	0.15
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	0.56
Trichloroethene	0.037	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	0.077
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	2.2
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	EHS International
Date Received:	Not Applicable	Project:	Federal Center South 10048-11
Date Extracted:	08/06/10	Lab ID:	00-1170 mb
Date Analyzed:	08/06/10	Data File:	080606.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	123	42	152
Toluene-d8	125	36	149
4-Bromofluorobenzene	126	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5 ca	1,3-Dichloropropane	<0.05
Chloromethane	<0.5 ca	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5 ca	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.25
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	FCS-HP-01	Client:	EHS International
Date Received:	08/06/10	Project:	Federal Center South 10048-11
Date Extracted:	08/09/10	Lab ID:	008065-01 1/5
Date Analyzed:	08/10/10	Data File:	081016.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	93	50	150
Benzo(a)anthracene-d12	106	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.036
Acenaphthylene	<0.01
Acenaphthene	0.33
Fluorene	0.088
Phenanthrene	0.060
Anthracene	0.016
Fluoranthene	0.023
Pyrene	0.016
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	Method Blank	Client:	EHS International
Date Received:	Not Applicable	Project:	Federal Center South 10048-11
Date Extracted:	08/09/10	Lab ID:	00-1205 mb 1/5
Date Analyzed:	08/09/10	Data File:	080905.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	97	50	150
Benzo(a)anthracene-d12	109	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Date of Report: 08/13/10
Date Received: 08/06/10
Project: Federal Center South 10048-11, F&BI 008065
Date Extracted: 08/09/10
Date Analyzed: 08/09/10

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR PCBs REPORTED AS AROCLORS
USING EPA METHOD 8082A**

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Aroclor 1221	1232	1016	1242	1248	1254	1260	Surrogate (% Rec.) (Limit 50-150)
FCS-HP-01 008065-01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	102
Method Blank	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	110

Date of Report: 08/13/10
Date Received: 08/06/10
Project: Federal Center South 10048-11, F&BI 008065

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 008025-16 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	79	69-120
Toluene	mg/kg (ppm)	0.5	86	70-117
Ethylbenzene	mg/kg (ppm)	0.5	85	65-123
Xylenes	mg/kg (ppm)	1.5	85	66-120
Gasoline	mg/kg (ppm)	20	85	71-131

Date of Report: 08/13/10
Date Received: 08/06/10
Project: Federal Center South 10048-11, F&BI 008065

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 008080-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	110	109	64-133	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	105	58-147

Date of Report: 08/13/10
Date Received: 08/06/10
Project: Federal Center South 10048-11, F&BI 008065

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 008019-19 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Chromium	mg/kg (ppm)	50	9.24	90	91	51-132	1
Arsenic	mg/kg (ppm)	10	2.34	101 b	101 b	44-151	0
Selenium	mg/kg (ppm)	5	<1	93	92	52-128	1
Silver	mg/kg (ppm)	10	<1	107	107	69-125	0
Cadmium	mg/kg (ppm)	10	<1	99	99	83-120	0
Barium	mg/kg (ppm)	50	25.6	99 b	105 b	47-147	6
Lead	mg/kg (ppm)	20	15.6	109 b	113 b	65-126	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	mg/kg (ppm)	50	97	79-125
Arsenic	mg/kg (ppm)	10	93	80-120
Selenium	mg/kg (ppm)	5	88	81-121
Silver	mg/kg (ppm)	10	103	84-117
Cadmium	mg/kg (ppm)	10	100	89-116
Barium	mg/kg (ppm)	50	100	88-113
Lead	mg/kg (ppm)	20	103	81-120

Date of Report: 08/13/10
Date Received: 08/06/10
Project: Federal Center South 10048-11, F&BI 008065

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Laboratory Code: 008019-19 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Mercury	mg/kg (ppm)	0.125	<0.2	92	93	45-162	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Mercury	mg/kg (ppm)	0.125	106	63-144

Date of Report: 08/13/10
Date Received: 08/06/10
Project: Federal Center South 10048-11, F&BI 008065

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 008033-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	16	10-171
Chloromethane	mg/kg (ppm)	2.5	<0.5	42	10-162
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	49	10-166
Bromomethane	mg/kg (ppm)	2.5	<0.5	60	20-165
Chloroethane	mg/kg (ppm)	2.5	<0.5	92	10-161
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	94	10-164
Acetone	mg/kg (ppm)	12.5	<0.5	58	34-167
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	77	21-148
Methylene chloride	mg/kg (ppm)	2.5	<0.5	60	38-147
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	68	53-138
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	73	41-148
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	75	54-134
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	68	27-153
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	77	53-143
Chloroform	mg/kg (ppm)	2.5	<0.05	80	59-132
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	62	31-169
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	78	61-132
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	80	51-143
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	77	50-135
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	81	48-141
Benzene	mg/kg (ppm)	2.5	<0.03	80	58-129
Trichloroethene	mg/kg (ppm)	2.5	<0.03	81	57-133
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	80	63-134
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	83	55-140
Dibromomethane	mg/kg (ppm)	2.5	<0.05	78	59-138
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	67	41-166
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	81	59-138
Toluene	mg/kg (ppm)	2.5	<0.05	79	56-136
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	77	61-138
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	74	72-129
2-Hexanone	mg/kg (ppm)	12.5	<0.5	62	51-157
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	74	65-132
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	80	53-136
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	77	57-131
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	72	67-134
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	81	62-125
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	84	62-129
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	84	65-134
m,p-Xylene	mg/kg (ppm)	5	<0.1	86	60-132
o-Xylene	mg/kg (ppm)	2.5	<0.05	84	56-139
Styrene	mg/kg (ppm)	2.5	<0.05	86	63-131
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	87	48-145
Bromoform	mg/kg (ppm)	2.5	<0.05	75	51-137
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	86	52-141
Bromobenzene	mg/kg (ppm)	2.5	<0.05	82	63-134
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	85	59-136
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	63	48-151
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	68	63-135
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	84	54-138
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	84	56-135
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	85	55-140
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	85	63-134
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.05	85	49-142
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	87	61-136
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	81	56-134
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	80	55-130
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	79	57-134
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	56	56-144
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	74	57-141
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	79	52-147
Naphthalene	mg/kg (ppm)	2.5	<0.05	56	35-174
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	65	31-180

Date of Report: 08/13/10
Date Received: 08/06/10
Project: Federal Center South 10048-11, F&BI 008065

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	48	37	10-142	26 vo
Chloromethane	mg/kg (ppm)	2.5	65	54	25-121	18
Vinyl chloride	mg/kg (ppm)	2.5	80	67	36-123	18
Bromomethane	mg/kg (ppm)	2.5	79	66	40-126	18
Chloroethane	mg/kg (ppm)	2.5	84	77	10-281	9
Trichlorofluoromethane	mg/kg (ppm)	2.5	107	90	17-167	17
Acetone	mg/kg (ppm)	12.5	74	67	36-151	10
1,1-Dichloroethene	mg/kg (ppm)	2.5	103	94	48-135	9
Methylene chloride	mg/kg (ppm)	2.5	87	79	42-144	10
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	92	82	73-112	11
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	94	86	65-125	9
1,1-Dichloroethane	mg/kg (ppm)	2.5	95	86	72-120	10
2,2-Dichloropropane	mg/kg (ppm)	2.5	100	89	63-138	12
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	99	87	73-120	13
Chloroform	mg/kg (ppm)	2.5	98	89	73-123	10
2-Butanone (MEK)	mg/kg (ppm)	12.5	83	74	50-133	11
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	96	87	66-125	10
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	102	90	71-131	12
1,1-Dichloropropene	mg/kg (ppm)	2.5	101	90	74-120	12
Carbon tetrachloride	mg/kg (ppm)	2.5	103	91	69-121	12
Benzene	mg/kg (ppm)	2.5	99	89	73-115	11
Trichloroethene	mg/kg (ppm)	2.5	100	89	75-120	12
1,2-Dichloropropane	mg/kg (ppm)	2.5	100	89	78-119	12
Bromodichloromethane	mg/kg (ppm)	2.5	104	92	68-140	12
Dibromomethane	mg/kg (ppm)	2.5	99	89	73-126	11
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	93	83	53-145	11
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	105	94	80-129	11
Toluene	mg/kg (ppm)	2.5	101	89	75-117	13
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	102	91	76-138	11
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	96	86	79-121	11
2-Hexanone	mg/kg (ppm)	12.5	87	77	55-152	12
1,3-Dichloropropane	mg/kg (ppm)	2.5	96	86	75-122	11
Tetrachloroethene	mg/kg (ppm)	2.5	102	90	80-120	12
Dibromochloromethane	mg/kg (ppm)	2.5	103	91	73-126	12
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	96	86	83-122	11
Chlorobenzene	mg/kg (ppm)	2.5	100	90	79-113	11
Ethylbenzene	mg/kg (ppm)	2.5	103	93	74-122	10
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	105	94	74-138	11
m,p-Xylene	mg/kg (ppm)	5	104	94	78-114	10
o-Xylene	mg/kg (ppm)	2.5	106	95	81-116	11
Styrene	mg/kg (ppm)	2.5	107	96	81-121	11
Isopropylbenzene	mg/kg (ppm)	2.5	108	97	82-117	11
Bromoform	mg/kg (ppm)	2.5	95	86	77-121	10
n-Propylbenzene	mg/kg (ppm)	2.5	106	96	76-121	10
Bromobenzene	mg/kg (ppm)	2.5	104	93	77-125	11
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	107	96	77-121	11
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	88	80	75-125	10
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	89	80	69-128	11
2-Chlorotoluene	mg/kg (ppm)	2.5	105	95	73-123	10
4-Chlorotoluene	mg/kg (ppm)	2.5	104	94	74-123	10
tert-Butylbenzene	mg/kg (ppm)	2.5	107	96	80-116	11
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	107	96	77-120	11
sec-Butylbenzene	mg/kg (ppm)	2.5	107	96	79-121	11
p-Isopropyltoluene	mg/kg (ppm)	2.5	111	98	80-123	12
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	101	90	81-115	12
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	99	90	80-113	10
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	102	91	81-116	11
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	91	78	71-128	15
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	109	93	80-118	16
Hexachlorobutadiene	mg/kg (ppm)	2.5	103	89	74-128	15
Naphthalene	mg/kg (ppm)	2.5	95	82	70-122	15
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	99	85	76-125	15

Date of Report: 08/13/10
Date Received: 08/06/10
Project: Federal Center South 10048-11, F&BI 008065

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR PNA'S BY EPA METHOD 8270D SIM

Laboratory Code: 008065-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.17	0.036	137 b	109 b	33-140	23 vo
Acenaphthylene	mg/kg (ppm)	0.17	<0.01	110	108	43-128	2
Acenaphthene	mg/kg (ppm)	0.17	0.33	118 b	114 b	58-108	3
Fluorene	mg/kg (ppm)	0.17	0.088	104 b	104 b	57-113	0
Phenanthrene	mg/kg (ppm)	0.17	0.06	105 b	101 b	45-124	4
Anthracene	mg/kg (ppm)	0.17	0.016	97	95	42-132	2
Fluoranthene	mg/kg (ppm)	0.17	0.023	99	107	50-125	8
Pyrene	mg/kg (ppm)	0.17	0.016	102	108	41-135	6
Benz(a)anthracene	mg/kg (ppm)	0.17	<0.01	109	108	47-113	1
Chrysene	mg/kg (ppm)	0.17	<0.01	116	116	45-122	0
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	<0.01	119	113	24-145	5
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	<0.01	114	112	51-118	2
Benzo(a)pyrene	mg/kg (ppm)	0.17	<0.01	113	110	30-134	3
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	<0.01	125	126	40-138	1
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	<0.01	123 vo	120	51-122	2
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	<0.01	119 vo	116 vo	54-115	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.17	105 vo	72-112 vo
Acenaphthylene	58 vo	0.17	105	63-110
Acenaphthene	mg/kg (ppm)	0.17	104	70-111
Fluorene	mg/kg (ppm)	0.17	106	69-110
Phenanthrene	mg/kg (ppm)	0.17	105	68-111
Anthracene	mg/kg (ppm)	0.17	93	67-110
Fluoranthene	mg/kg (ppm)	0.17	101	62-114
Pyrene	mg/kg (ppm)	0.17	101	61-114
Benz(a)anthracene	mg/kg (ppm)	0.17	102	58-108
Chrysene	mg/kg (ppm)	0.17	107	61-112
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	107	54-119
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	107	61-123
Benzo(a)pyrene	mg/kg (ppm)	0.17	100	52-112
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	119	44-133
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	116	57-119
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	113	60-116

Date of Report: 08/13/10
Date Received: 08/06/10
Project: Federal Center South 10048-11, F&BI 008065

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 008065-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	<0.1	<0.1	nm
Aroclor 1260	mg/kg (ppm)	<0.1	<0.1	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.8	92	100	60-142	8
Aroclor 1260	mg/kg (ppm)	0.8	106	117	63-144	10

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

008065

SAMPLE CHAIN OF CUSTODY

ME 08/06/10 VSI / AI

Send Report To: MIGUEL ORTEGA
Company: EHS-INTERNATIONAL, INC
Address: 13228 NE 20th St., #100
City, State, ZIP: Bellevue, WA 98005
Phone #: 425 ~~455~~-2759 Fax #: 425-646-7247

SAMPLERS (signature): Randall Reteau
PROJECT NAME/NO.: FEDERAL CENTER SOUTH 10048-11
PO #:
REMARKS: Call Miguel Ortega with Results.

Page # 1 of 1

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☑ RUSH
- Rush charges authorized by: 3 CTDP

SAMPLE DISPOSAL
- ☑ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	PAHs	PCBs	RCRA METALS			Notes
FCS-HP-01	01AH	8/6/10	8:00	SOIL	8	X	X	X	X			X	X	X			

ANALYSES REQUESTED

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Diana M. Phelan	DIANA M. PHELAN	EHSI	8/6/10	9:10
Received by:	Nhan Phan	Nhan Phan	FEBT	8/6/10	V
Relinquished by:					
Received by:					

Samples received at 5 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

August 25, 2010

Miguel Ortega, Project Manager
EHS International
13228 NE 20th St, Ste 100
Bellevue, WA 98005

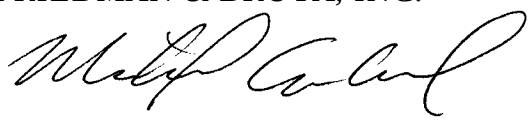
Dear Mr. Ortega:

Included are the results from the testing of material submitted on August 16, 2010 from the Federal Center South 10048-11, F&BI 008177 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Diana Phelan
EHS0825R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 16, 2010 by Friedman & Bruya, Inc. from the EHS International Federal Center South 10048-11, F&BI 008177 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	EHS International
008177-01	FCS-SB7-5
008177-02	FCS-SB8-5
008177-03	FCS-SB9-4.5
008177-04	FCS-SB10-4.5

All quality control requirements were acceptable.

Date of Report: 08/25/10
Date Received: 08/16/10
Project: Federal Center South 10048-11, F&BI 008177
Date Extracted: 08/23/10
Date Analyzed: 08/23/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
FCS-SB7-5 008177-01	<50	<250	84
FCS-SB8-5 008177-02	<50	<250	81
FCS-SB9-4.5 008177-03	<50	<250	82
FCS-SB10-4.5 008177-04	<50	<250	81
Method Blank 00-1303 MB	<50	<250	83

Date of Report: 08/25/10
Date Received: 08/16/10
Project: Federal Center South 10048-11, F&BI 008177

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 008239-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	110	116	63-146	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	106	79-144

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

008177

SAMPLE CHAIN OF CUSTODY

MG 8/16/10 DO1

Page # _____ of _____

Send Report To MIGUEL ORTEGA
Company EHS-INTERNATIONAL INC
Address 13222 NE 20TH ST., #100
City, State, ZIP BELLEVUE, WA 98005
Phone # 425-455-2959 Fax # 425-646-7247

SAMPLERS (signature) Diana M. Phelan
PROJECT NAME/NO. FEDERAL CENTER SOUTH 10048-11
PO #
REMARKS

TURNAROUND TIME
X Standard (~~2 Weeks~~) 5 DAYS
☐ RUSH _____
Rush charges authorized by: _____

SAMPLE DISPOSAL
X Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS							Notes
FCS-SB7-5	-01	8/16/10	14:30	SOIL	1	X												
FCS-SB8-5	-02	8/16/10	14:45	SOIL	1	X												
FCS-SB9-4.5	-03	8/16/10	15:00	SOIL	1	X												
FCS-SB10-4.5	-04	8/16/10	15:15	SOIL	1	X												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Diana M. Phelan	DIANA M. PHELAN	EHS1	8/16/10	16:10
Received by:	VINH	FBI	8/16/10	16:10
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

August 30, 2010

Miguel Ortega, Proejct Manager
EHS International
13228 NE 20th St, Ste 100
Bellevue, WA 98005

Dear Mr. Ortega:

Included are the results from the testing of material submitted on August 25, 2010 from the Federal Center South 10048-10, F&BI 008288 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
EHS0830R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 25, 2010 by Friedman & Bruya, Inc. from the EHS International Federal Center South 10048-10, F&BI 008288 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	EHS International
008288-01	FCS-TP7-6
008288-02	FCS-TP8-5
008288-03	FCS-TP8-6.5
008288-04	FCS-TP9-6.5

All quality control requirements were acceptable.

Date of Report: 08/30/10
Date Received: 08/25/10
Project: Federal Center South 10048-10, F&BI 008288
Date Extracted: 08/25/10
Date Analyzed: 08/26/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
FCS-TP7-6 008288-01	<50	<250	106
FCS-TP8-5 008288-02	100	<250	111
FCS-TP8-6.5 008288-03	5,800	350 x	118
FCS-TP9-6.5 008288-04	<50	<250	114
Method Blank 00-1327 MB	<50	<250	111

Date of Report: 08/30/10
Date Received: 08/25/10
Project: Federal Center South 10048-10, F&BI 008288

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 008288-04 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	120	115	63-146	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	115	79-144

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

008288

SAMPLE CHAIN OF CUSTODY ME 8/25/10 D01

Page # 1 of 1

Send Report To MIGUEL ORTEGA
Company EHS-INTERNATIONAL INC.
Address 13228 NE 20TH ST., #100
City, State, ZIP BELLEVUE, WA 98005
Phone # 425-455-2959 Fax # 425-646-7247

SAMPLERS (signature) Diana M. Phelan
PROJECT NAME/NO. FEDERAL CENTER SOUTH 10048-10
PO #
REMARKS CALL MIGUEL WHEN RESULTS ARE AVAILABLE

TURNAROUND TIME
☐ Standard (2 Weeks)
☒ RUSH 24 HRS TAT
Rush charges authorized by:

SAMPLE DISPOSAL
☒ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS							Notes
FCS-TP7-6	01	8/25/10	10:35	SOIL	1	X												
FCS-TP8-5	02		11:00	SOIL	1	X												
FCS-TP8-6.5	03		11:10	SOIL	1	X												
FCS-TP9-6.5	04	↓	12:00	SOIL	1	X												

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Diana M. Phelan	DIANA M. PHELAN	EHSI	8/25/10	13:09
Received by:	Jon Shiman for Diana	Jon Shiman	FBI	8/25/10	1:09 PM
Relinquished by:					
Received by:					

Samples received at 6 °C

FORMS\COC\COC.DOC

APPENDIX B: CONTAMINATED SOIL DISPOSAL WEIGHT TAGS AND MANIFESTS

WYSER INC
CONSTRUCTION

EXPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking lot** **DATE: August 3, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS	
1	Wyser Construction	1136/1876048686√	8:41 AM	30.68 ton	Cemex	8/3/2010	Class 3 Soil	30.68	
2	Wyser Construction	1136/1876048695√	11:20 AM	27.64 ton	Cemex	8/3/2010	Class 3 Soil	27.64	*58.32*
3	Wyser Construction	1136/97870√	2:46 PM	24.14 ton	United Recycling	8/3/2010	Asphalt	24.14	
4									
5	L & L Transport √	2807/1876048685√	8:38 AM	27.77 ton	Cemex	8/3/2010	Class 3 Soil	27.77	
6	L & L Transport	2807/1876048694√	11:12 AM	32.62 ton	Cemex	8/3/2010	Class 3 Soil	32.62	
7	L & L Transport	2807/1876048705√	2:17 PM	33.59 ton	Cemex	8/3/2010	Class 3 Soil	33.59	*93.98*
8									
9									
10									
11									
12									
13									
14									
15									
16									
17						**Class 3 Soil**	***Total Tons***	152.30	√
18						**Asphalt**	***Total Tons***	24.14	√
19									

UNITED RECYCLING CO.
18827 YEW WAY * SNOHOMISH, WA 98296
OFFICE: 425-485-0355 FAX: 360-668-9252

I / WE, THE UNDERSIGNED, CERTIFY THAT THE PRODUCT DELIVERED FOR DISPOSAL IS NON-HAZARDOUS RECYCLABLE MATERIAL

CHARGE TICKET

DATE: 8/3/10 **TIME IN:** 2:46PM

TICKET #:97870

ACCT #: 2053-001 WYSER CONSTRUCTION INC

PRODUCT: **CL ASPHALT**

TRUCK#: WY30T
PO#/JOB#: EHSI/10/1236
NOTES:

Yards: 0

Gross :	90,600	lbs
Tare :	42,320	lbs
Net Wt :	48,280	lbs
Tons :	24.14	

Steve

AUTHORIZED SIGNATURE

CEMEX

1876048686

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/03/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
7E:GSA EAST MARGINAL WAY
7E:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: EHSL-10-1236 **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier:
Vehicle: 2146258 - WC30T,WYSER CONSTRUCTION
Tractor / Trailer1 / Trailer 2: -/- -/-

Qty: 30.68 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In: 12:00 am
Out: 8:41 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	104,080	52.04	47.21
Tare:	42,720	21.36	19.38
Net:	61,360	30.68	27.83

* Predetermined Tare

Today Loads: 2
Today Qty: 58.45 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent
Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048685

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/03/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
7E:GSA EAST MARGINAL WAY
7E:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: EHSL-10-1236 **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier:
Vehicle: 2034258 - LL3T,L&L TRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 27.77 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In: 12:00 am
Out: 8:38 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	91,660	45.83	41.58
Tare:	36,120	18.06	16.38
Net:	55,540	27.77	25.19

* Predetermined Tare

Today Loads: 1
Today Qty: 27.77 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent
Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048695

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/03/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
7E:GSA EAST MARGINAL WAY
7E:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: EHSL-10-1236 **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2146258 - WC30T,WYSER CONSTRUCTION
Tractor / Trailer1 / Trailer 2: -/- -/-

Qty: 27.64 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In: 12:00 am
Out: 1:20 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	98,000	49.00	44.45
Tare:	42,720	21.36	19.38
Net:	55,280	27.64	25.07

* Predetermined Tare

Today Loads: 4
Today Qty: 118.71 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent
Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048705

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/03/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: EHSL-10-1236 **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 33.59 ton

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	103,300	51.65	46.86
Tare:	36,120	18.06	16.38
Net:	67,180	33.59	30.47

* Predetermined Tare

Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In: 12:00 am
Out: 2:17 pm
Today Loads: 5
Today Qty: 152.30 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.622, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048694

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/03/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: EHSL-10-1236 **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 32.62 ton

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	101,360	50.68	45.98
Tare:	36,120	18.06	16.38
Net:	65,240	32.62	29.59

* Predetermined Tare

Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In: 12:00 am
Out: 1:12 am
Today Loads: 3
Today Qty: 91.07 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.622, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

WYSER CONSTRUCTION INC

EXPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking lot** **DATE: August 4, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	L & L Transport √	2808/1876048711	8:25 AM	28.74 ton	Cemex	8/4/2010	Class 3 Soil	28.74
2	L & L Transport	2808/1876048722	11:02 AM	28.75 ton	Cemex	8/4/2010	Class 3 Soil	28.75
3	L & L Transport	2808/1876048739	2:35 PM	28.75 ton	Cemex	8/4/2010	Class 3 Soil	28.75
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17						Class 3 Soil	*Total Tons*	86.24
18								
19								

CEMEX

1876048722

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/04/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct: L8 L3T

Job #: EHSL 10 1236 **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 28.75 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Elizabeth M. Arnold
Scale: 1
In: 10:49 am
Out: 11:02 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	93,620	46.81	42.47
Tare:	36,120	18.06	16.38
Net:	57,500	28.75	26.08

* Manual Weight

Today Loads: 2
Today Qty: 57.49 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent Driver:

METRIC CONVERSION FORMULA: POUNDS DIV DEL BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048711

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/04/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct: L8 L3T

Job #: EHSL 10 1236 **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 28.74 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Elizabeth M. Arnold
Scale: 1
In: 12:00 am
Out: 8:25 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	93,600	46.80	42.46
Tare:	36,120	18.06	16.38
Net:	57,480	28.74	26.07

* Predetermined Tare

Today Loads: 1
Today Qty: 28.74 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent Driver:

METRIC CONVERSION FORMULA: POUNDS DIV DEL BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048739

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/04/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct: L8 L3T

Job #: EHSL 10 1236
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

PO: DAN REYNOLDS

Qty: 28.75 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Elizabeth M. Arnold
Scale: 1
In: 12:00 am
Out: 2:35 pm

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	93,620	46.81	42.47
Tare:	36,120	18.06	16.38
Net:	57,500	28.75	26.08

* Predetermined Tare

Today Loads: 3
Today Qty: 36.24 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent Driver:

METRIC CONVERSION FORMULA: POUNDS DIV DEL BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

WYSER INC
CONSTRUCTION

EXPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking lot** **DATE: August 5, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	L & L Transport √	2809/1876048742	8:41 AM	30.67 ton	Cemex	8/5/2010	Class 3 Soil	30.67
2	L & L Transport	2809/1876048747	11:44 AM	32.14 ton	Cemex	8/5/2010	Class 3 Soil	32.14
3	L & L Transport	2809/1876048751	2:36 PM	32.66 ton	Cemex	8/5/2010	Class 3 Soil	32.66
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17						Class 3 Soil	*Total Tons*	95.47
18								
19								

CEMEX

1876048747

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213 **Location: 1876**

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/05/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 32.14 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Elizabeth M. Arnold
Scale: 1
In: 12:00 am
Out: 11:44 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	100,400	50 20	45.54
Tare:	36,120	18 06	16.38
Net:	64,280	32 14	29.16

* Predetermined Tare

Today Loads: 2
Today Qty: 62.81 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048742

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213 **Location: 1876**

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/05/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 30.67 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Elizabeth M. Arnold
Scale: 1
In: 12:00 am
Out: 8:41 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	97,460	48.73	44.21
Tare:	36,120	18 06	16.38
Net:	61,340	30 67	27.82

* Predetermined Tare

Today Loads: 1
Today Qty: 30.67 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048751

Weighed At: Soil-Remediation
6300 Glenwood Ave
Everett, WA 98213 **Location: 1876**

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/05/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 32.65 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Elizabeth M. Arnold
Scale: 1
In: 12:00 am
Out: 2:36 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	101,44	50 72	46.01
Tare:	36,120	18 06	16.38
Net:	65,320	32 66	29.63

* Predetermined Tare

Today Loads: 3
Today Qty: 95.47 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

WYSER INC
CONSTRUCTION

EXPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking lot** **DATE: August 6, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS	
1	Wyser Construction	1140/1876048754	8:29 AM	33.64 ton	Cemex	8/6/2010	Class 3 Soil	33.64	
2	Wyser Construction	1140/1876048758	10:48 AM	29.45 ton	Cemex	8/6/2010	Class 3 Soil	29.45	*63.09*
3	Wyser Construction	1140/98115√	2:05 PM	33.99 ton	United Recycling	8/6/2010	Asphalt	33.99	*33.99*
4									
5	L & L Transport √	2810/1876048753	8:18 AM	33.17 ton	Cemex	8/6/2010	Class 3 Soil	33.17	
6	L & L Transport	2810/1876048757	10:40 AM	33.97 ton	Cemex	8/6/2010	Class 3 Soil	33.97	
7	L & L Transport	2810/1876048759	12:40 PM	32.91 ton	Cemex	8/6/2010	Class 3 Soil	32.91	
8	L & L Transport	2810/1876048762	2:53 PM	29.82 ton	Cemex	8/6/2010	Class 3 Soil	29.82	129.87
9									
10									
11									
12									
13									
14									
15									
16									
17						Class 3 Soil	*Total Tons*	192.96	
18						Asphalt	*Total Tons*	33.99	√
19									

UNITED RECYCLING CO.
18827 YEW WAY * SNOHOMISH, WA 98296
OFFICE: 425-485-0355 FAX: 360-668-9252

I / WE, THE UNDERSIGNED, CERTIFY THAT THE PRODUCT DELIVERED FOR DISPOSAL IS NON-HAZARDOUS RECYCLABLE MATERIAL

CHARGE TICKET

DATE: 8/6/10 TIME IN: 2:05PM

TICKET #:98115

ACCT #: 2053-001 WYSER CONSTRUCTION INC

TRUCK#: WY30
PO#/JOB#: EHSI-10-1236
NOTES:

PRODUCT: **CL ASPHALT**

Yards: 0

Gross :	94,880	lbs
Tare :	26,900	lbs
Net Wt :	67,980	lbs
Tons :	33.99	

AUTHORIZED SIGNATURE

CEMEX

1876048758

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** **0.00** **Date:** 08/06/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2146258 - WC30T,WYSER CONSTRUCTION
Tractor / Trailer1 / Trailer 2: -/- -/-

Qty: 29.45 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Elizabeth M. Arnold
Scale: 1
In: 2:00 am
Out: 0:48 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	101,620	50.81	46.09
Tare:	42,720	21.36	19.38
Net:	58,900	29.45	26.72

* Predetermined Tare

Today Loads: 4
Today Qty: 130.23 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIV DET. BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048754

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** **0.00** **Date:** 08/06/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2146258 - WC30T,WYSER CONSTRUCTION
Tractor / Trailer1 / Trailer 2: -/- -/-

Qty: 33.64 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Elizabeth M. Arnold
Scale: 1
In: 2:00 am
Out: 8:29 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	110,000	55.00	49.90
Tare:	42,720	21.36	19.38
Net:	67,280	33.64	30.52

* Predetermined Tare

Today Loads: 2
Today Qty: 66.81 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIV DET. BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048753

Weighed At: Soil Remediation
6300 Glenwood Ave
E
t, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** **0.00** **Date:** 08/06/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&L TRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 33.17 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Elizabeth M. Arnold
Scale: 1
In: 2:00 am
Out: 8:18 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	102,460	51.23	46.48
Tare:	36,120	18.06	18.38
Net:	66,340	33.17	30.09

* Predetermined Tare

Today Loads: 1
Today Qty: 33.17 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent

Driver:

N
CONVERSION FORMULA: POUNDS DIV DET. BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048759

Weighed At: Soil Remediation
6300 Glenwood Ave
E t, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/06/2010
Ship To: 3031899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 32.91 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Elizabeth M. Arnold
Scale: 1
In: 12:00 am
Out: 12:40 pm

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	101,940	50.97	46.24
Tare:	36,120	18.06	16.38
Net:	65,820	32.91	29.86

* Predetermined Tare

Today Loads: 5
Today Qty: 163.14 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent
Driver:

M CONVERSION FORMULA: POUNDS DIV DEC BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048757

Weighed At: Soil Remediation
6300 Glenwood Ave
E t, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/06/2010
Ship To: 3031899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 33.97 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Elizabeth M. Arnold
Scale: 1
In: 12:00 am
Out: 10:40 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	104,060	52.03	47.20
Tare:	36,120	18.06	16.38
Net:	67,940	33.97	30.82

* Predetermined Tare

Today Loads: 3
Today Qty: 100.78 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent
Driver:

M CONVERSION FORMULA: POUNDS DIV DEC BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048762

W ed At: Soil Remediation
63 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/06/2010
Ship To: 3031899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 29.82 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Elizabeth M. Arnold
Scale: 1
In: 12:00 am
Out: 2:53 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	95,760	47.88	43.44
Tare:	36,120	18.06	16.38
Net:	59,640	29.82	27.05

* Predetermined Tare

Today Loads: 6
Today Qty: 192.96 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent
Driver:

METRIC CONVERSION FORMULA: POUNDS DIV DEC BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

WYSER CONSTRUCTION INC

EXPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking lot** **DATE: August 16, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS	
1	Wyser Construction	1146/1876048794	8:43 AM	26.33 ton	Cemex	8/16/2010	Class 3 Soil	26.33	
2	Wyser Construction	1146/1876048796	10:53 AM	28.95 ton	Cemex	8/16/2010	Class 3 Soil	28.95	
3	Wyser Construction	1146/1876048798	1:08 PM	29.94 ton	Cemex	8/16/2010	Class 3 Soil	29.94	*85.22*
4	Wyser Construction	1146/98724	4:24 PM	26.40 ton	United Recycling	8/16/2010	Asphalt	26.40	*26.40*
5									
6	L & L Transport	2815/1876048793	8:28 AM	19.36 ton	Cemex	8/16/2010	Class 3 Soil	19.36	
7	L & L Transport	2815/1876048795	10:43 AM	26.91 ton	Cemex	8/16/2010	Class 3 Soil	26.91	
8	L & L Transport	2815/1876048797	12:58 PM	29.99 ton	Cemex	8/16/2010	Class 3 Soil	29.99	
9	L & L Transport	2815/1876048799	3:25 PM	29.80 ton	Cemex	8/16/2010	Class 3 Soil	29.80	106.06
10									
11									
12									
13									
14									
15									
16									
17						Class 3 Soil	***Total Tons***	191.28	
18						Asphalt	***Total Tons***	26.40	
19									

UNITED RECYCLING CO.
18827 YEW WAY * SNOHOMISH, WA 98296
OFFICE: 425-485-0355 FAX: 360-668-9252

CHARGE TICKET

I / WE, THE UNDERSIGNED, CERTIFY THAT THE PRODUCT DELIVERED FOR DISPOSAL IS NON-HAZARDOUS RECYCLABLE MATERIAL

DATE: 8/16/10

TIME IN: 4:24PM

TICKET #:98724

ACCT #: 2053-001 WYSER CONSTRUCTION INC

TRUCK#: WY30T
PO#/JOB#: EHSI 10-1236
NOTES:

PRODUCT: **CL ASPHALT**

Yards: 0

Gross :	95,120	lbs
Tare :	42,320	lbs
Net Wt :	52,800	lbs
Tons :	26.40	

AUTHORIZED SIGNATURE

CEMEX

1876048796

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/16/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2146258 - WC30T WYSER CONSTRUCTION
Tractor / Trailer1 / Trailer 2: -/- -/-

Qty: 28.95 ton
Weighmaster: CEMEX
Deputy Weighmaster: Malia J. Leake
Scale: 1
In:
Out: 10:53 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	100,620	50.31	45.64
Tare:	42,720	21.36	19.38
Net:	57,900	28.95	26.26

* Predetermined Tare

Today Loads: 4
Today Qty: 101.55 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048794

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/16/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2146258 - WC30T WYSER CONSTRUCTION
Tractor / Trailer1 / Trailer 2: -/- -/-

Qty: 26.33 ton
Weighmaster: CEMEX
Deputy Weighmaster: Malia J. Leake
Scale: 1
In:
Out: 8:43 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	95,380	47.69	43.26
Tare:	42,720	21.36	19.38
Net:	52,660	26.33	23.89

* Predetermined Tare

Today Loads: 2
Today Qty: 45.69 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048798

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/16/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2146258 - WC30T WYSER CONSTRUCTION
Tractor / Trailer1 / Trailer 2: -/- -/-

Qty: 29.94 ton
Weighmaster: CEMEX
Deputy Weighmaster: Malia J. Leake
Scale: 1
In:
Out: 1:08 pm

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	102,600	51.30	46.54
Tare:	42,720	21.36	19.38
Net:	59,880	29.94	27.16

* Predetermined Tare

Today Loads: 6
Today Qty: 151.48 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048795

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/16/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 26.91 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In:
Out: 10:43 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	89,800	44.90	40.73
Tare:	35,980	17.99	16.32
Net:	53,820	26.91	24.41

* Predetermined Tare

Today Loads: 3
Today Qty. 72.60 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent
Driver:

METRIC CONVERSION FORMULA: POUNDS DIV DET. BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048793

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/16/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 19.36 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 0
In:
Out: 8:28 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	74,700	37.35	33.88
Tare:	35,980	17.99	16.32
Net:	38,720	19.36	17.56

* Manual Weight

Today Loads: 2
Today Qty: 44.15 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent
Driver:

METRIC CONVERSION FORMULA: POUNDS DIV DET. BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048797

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/16/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 29.99 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In:
Out: 2:58 pm

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	95,960	47.98	43.53
Tare:	35,980	17.99	16.32
Net:	59,980	29.99	27.21

* Predetermined Tare

Today Loads: 5
Today Qty: 131.54 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent
Driver:

METRIC CONVERSION FORMULA: POUNDS DIV DET. BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048799

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/16/2010
Ship To: 3031899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier:
Vehicle: 2034258 - LL3T, L&L TRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 29.80 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In:
Out: 3:25 pm

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	95,580	47.79	43.35
Tare:	35,980	17.99	16.32
Net:	59,600	29.80	27.03

* Predetermined Tare

Today Loads: 7
Today Qty: 191.28 ton

CEMEX'S STANDARD TERMS AND CONDITIONS INCORPORATED HEREIN.

Signature of Receiving Agent **Driver:**

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.62, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

WYSER INC
CONSTRUCTION

EXPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking lot** **DATE: August 17, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	L & L Transport√	2816/1876048800	8:00 AM	29.30 ton	Cemex	8/17/2010	Class 3 Soil	29.30
2	L & L Transport	2816/1876048801	10:48 AM	33.56 ton	Cemex	8/17/2010	Class 3 Soil	33.56
3	L & L Transport	2816/1876048803	1:07 PM	31.79 ton	Cemex	8/17/2010	Class 3 Soil	31.79
4	L & L Transport	2816/1876048805	3:32 PM	33.18 ton	Cemex	8/17/2010	Class 3 Soil	33.18
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17						Class 3 Soil	*Total Tons*	127.83
18								
19								

CEMEX

1876048801

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** **0.00** **Date:** 08/17/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 33.56 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In:
Out: 10:48 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	103,100	51.55	46.77
Tare:	35,980	17.99	16.32
Net:	67,120	33.56	30.45

* Predetermined Tare

Today Loads: 2
Today Qty: 62.86 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent **Driver:**

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048800

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** **0.00** **Date:** 08/17/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 29.30 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In:
Out: 8:00 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	94,580	47.29	42.90
Tare:	35,980	17.99	16.32
Net:	58,600	29.30	26.58

* Predetermined Tare

Today Loads: 1
Today Qty. 29.30 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent **Driver:**

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048803

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** **0.00** **Date:** 08/17/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 31.79 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In:
Out: 1:07 pm

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	99,560	49.78	45.16
Tare:	35,980	17.99	16.32
Net:	63,580	31.79	28.84

* Predetermined Tare

Today Loads: 3
Today Qty: 94.65 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent **Driver:**

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048805

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 40808314 **Dispatch:** 0.00 **Date:** 08/17/2010
Ship To: 3031899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 33.18 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In:
Out: 3:32 pm

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	102,340	51.17	46.42
Tare:	35,980	17.99	16.32
Net:	66,360	33.18	30.10

* Predetermined Tare

Today Loads: 4
Today Qty: 127.83 ton

CEMEX'S STANDARD TERMS AND CONDITIONS INCORPORATED HEREIN

Signature of Receiving Agent Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2,204.623 ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

WYSER INC CONSTRUCTION

EXPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking lot** **DATE: August 18, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS	
1	Wyser Construction	1144/1876048808	8:15 AM	14.54 ton	Cemex	8/18/2010	Class 3 Soil	14.54	
2	Wyser Construction	1144/1876048810	10:34 AM	13.94 ton	Cemex	8/18/2010	Class 3 Soil	13.94	
3	Wyser Construction	1144/1876048815	12:43 PM	13.97 ton	Cemex	8/18/2010	Class 3 Soil	13.97	*42.45*
4	Wyser Construction	1144/98902√	3:46 PM	12.82 ton	United Recycling	8/18/2010	Asphalt	12.82	*12.82*
5									
6	L & L Transport√	2817/1876048807	8:13 AM	31.40 ton	Cemex	8/18/2010	Class 3 Soil	31.40	
7	L & L Transport	2817/1876048809	10:29 AM	30.39 ton	Cemex	8/18/2010	Class 3 Soil	30.39	
8	L & L Transport	2817/1876048816	12:57 PM	33.14 ton	Cemex	8/18/2010	Class 3 Soil	33.14	
9	L & L Transport	2817/1876048817	3:41 PM	30.71 ton	Cemex	8/18/2010	Class 3 Soil	30.71	125.64
10									
11									
12									
13									
14									
15									
16									
17						Class 3 Soil	***Total Tons***	168.09	
18						Asphalt	***Total Tons***	12.82	√
19									

UNITED RECYCLING CO.
18827 YEW WAY * SNOHOMISH, WA 98296
OFFICE: 425-485-0355 FAX: 360-668-9252

I / WE, THE UNDERSIGNED, CERTIFY THAT THE PRODUCT DELIVERED FOR DISPOSAL IS NON-HAZARDOUS RECYCLABLE MATERIAL

CHARGE TICKET

DATE: 8/18/10 **TIME IN:** 3:46PM

TICKET #:98902

ACCT #: 2053-001 WYSER CONSTRUCTION INC

TRUCK#: WY30
PO#/JOB#: EHSI-10-1236
NOTES:

PRODUCT: **CL ASPHALT**

Yards: 0

Gross :	52,540	lbs
Tare :	26,900	lbs
Net Wt :	25,640	lbs
Tons :	12.82	

AUTHORIZED SIGNATURE

CEMEX

1876048810

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/18/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2146148 - WC30S,WYSER CONSTRUCION INC
Tractor / Trailer1 / Trailer 2: -/- -/-

Qty: 13.94 ton
Weighmaster: CEMEX
Deputy Weighmaster: Malia J. Leake
Scale: 1
In:
Out: 10:34 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	54,680	27.34	24.80
Tare:	26,800	13.40	12.16
Net:	27,880	13.94	12.65

* Predetermined Tare

Today Loads: 4
Today Qty: 90.27 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent
Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048808

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/18/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2146148 - WC30S,WYSER CONSTRUCION INC
Tractor / Trailer1 / Trailer 2: -/- -/-

Qty: 14.54 ton
Weighmaster: CEMEX
Deputy Weighmaster: Malia J. Leake
Scale: 1
In:
Out: 8:15 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	55,880	27.94	25.35
Tare:	26,800	13.40	12.16
Net:	29,080	14.54	13.19

* Predetermined Tare

Today Loads: 2
Today Qty: 45.94 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent
Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048815

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/18/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2146148 - WC30S,WYSER CONSTRUCION INC
Tractor / Trailer1 / Trailer 2: -/- -/-

Qty: 13.97 ton
Weighmaster: CEMEX
Deputy Weighmaster: Malia J. Leake
Scale: 1
In:
Out: 12:43 pm

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	54,740	27.37	24.83
Tare:	26,800	13.40	12.16
Net:	27,940	13.97	12.67

* Predetermined Tare

Today Loads: 5
Today Qty: 104.24 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent
Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048809

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** **0.00Date:** 08/18/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T, L&L TRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 30.39 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In:
Out: 10:29 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	96,760	48.38	43.89
Tare:	35,980	17.99	16.32
Net:	60,780	30.39	27.57

* Predetermined Tare

Today Loads: 3
Today Qty: 76.33 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent
Driver:

METRIC CONVERSION FORMULA: POUNDS DIV DECIBY 2204.623 ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048807

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** **0.00Date:** 08/18/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T, L&L TRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 31.40 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In:
Out: 3:13 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	98,780	49.39	44.81
Tare:	35,980	17.99	16.32
Net:	62,800	31.40	28.49

* Predetermined Tare

Today Loads: 1
Today Qty: 31.40 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent
Driver:

METRIC CONVERSION FORMULA: POUNDS DIV DECIBY 2204.623 ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048816

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** **0.00Date:** 08/18/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T, L&L TRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 33.14 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In:
Out: 2:57 pm

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	102,260	51.13	46.38
Tare:	35,980	17.99	16.32
Net:	66,280	33.14	30.06

* Predetermined Tare

Today Loads: 6
Today Qty: 137.38 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent
Driver:

METRIC CONVERSION FORMULA: POUNDS DIV DECIBY 2204.623 ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048817

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1676

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/18/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 30.71 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In:
Out: 3:41 pm

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	97,400	48.70	44.18
Tare:	35,980	17.98	16.32
Net:	61,420	30.71	27.86

* Predetermined Tare

Today Loads: 7
Today Qty: 168.09 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

WYSER INC
CONSTRUCTION

EXPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking lot** **DATE: August 19, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS	
1	L & L Transport	2818/1876048818	8:00 AM	29.45 ton	Cemex	8/19/2010	Class 3 Soil	29.45	
2	L & L Transport	2818/1876048819	10:24 AM	31.50 ton	Cemex	8/19/2010	Class 3 Soil	31.50	
3	L & L Transport	2818/1876048820	12:47 PM	30.23 ton	Cemex	8/19/2010	Class 3 Soil	30.23	
4	L & L Transport	2818/1876048822	3:25 PM	31.03 ton	Cemex	8/19/2010	Class 3 Soil	31.03	*122.21*
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17						Class 3 Soil	***Total Tons***	122.21	
18									
19									

CEMEX

1876048819

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/19/2010
Ship To: 3031899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T, L&L TRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 31.50 ton
Weighmaster: CEMEX
Deputy Weighmaster: Malia J. Leake
Scale: 1
In:
Out: 10:24 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	98,980	49.49	44.90
Tare:	35,980	17.99	16.32
Net:	63,000	31.50	28.58

* Predetermined Tare

Today Loads: 2
Today Qty: 60.95 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent **Driver:**

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048818

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/19/2010
Ship To: 3031899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T, L&L TRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 29.45 ton
Weighmaster: CEMEX
Deputy Weighmaster: Malia J. Leake
Scale: 1
In:
Out: 8:00 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	94,880	47.44	43.04
Tare:	35,980	17.99	16.32
Net:	58,900	29.45	26.72

* Predetermined Tare

Today Loads: 1
Today Qty: 29.45 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent **Driver:**

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048820

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/19/2010
Ship To: 3031899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T, L&L TRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 30.23 ton
Weighmaster: CEMEX
Deputy Weighmaster: Malia J. Leake
Scale: 1
In:
Out: 12:47 pm

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	96,440	48.22	43.74
Tare:	35,980	17.99	16.32
Net:	60,460	30.23	27.42

* Predetermined Tare

Today Loads: 3
Today Qty: 91.18 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent **Driver:**

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048822

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 40808314 **Dispatch:** 0.00 **Date:** 08/19/2010
Ship To: 3031899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 31.03 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In:
Out: 3:25 pm

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	98,040	49.02	44.47
Tare:	35,980	17.99	16.32
Net:	62,060	31.03	28.15

* Predetermined Tare

Today Loads: 4
Today Qty: 122.21 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent **Driver:**

METRIC CONVERSION FORMULA: POUNDS D V DED BY 2204.62? ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

WYSER CONSTRUCTION INC

EXPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking lot** **DATE: August 20, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	L & L Transport√	2819/1876048825	8:08 AM	30.36 ton	Cemex	8/20/2010	Class 3 Soil	30.36
2	L & L Transport	2819/1876048836	10:30 AM	31.33 ton	Cemex	8/20/2010	Class 3 Soil	31.33
3	L & L Transport	2819/1876048838	1:04 PM	32.36 ton	Cemex	8/20/2010	Class 3 Soil	32.36
4	L & L Transport	2819/1876048842	3:47 PM	29.43 ton	Cemex	8/20/2010	Class 3 Soil	29.43
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17						Class 3 Soil	*Total Tons*	123.48
18								
19								

CEMEX

1876048836

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/20/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 31.33 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In:
Out: 10:30 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	98,640	49.32	44.74
Tare:	35,980	17.99	16.32
Net:	62,660	31.33	28.42

* Predetermined Tare

Today Loads: 2
Today Qty: 31.69 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent
Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048825

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/20/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 5 -/-

Qty: 30.36 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In:
Out: 8:08 am

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	96,700	48.35	43.86
Tare:	35,980	17.99	16.32
Net:	60,720	30.36	27.54

* Predetermined Tare

Today Loads: 1
Today Qty: 30.36 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent
Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048838

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 4C808314 **Dispatch:** 0.00 **Date:** 08/20/2010
Ship To: 3C31899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 1 -/-

Qty: 32.36 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In:
Out: 1:04 pm

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	100,700	50.35	45.68
Tare:	35,980	17.99	16.32
Net:	64,720	32.36	29.36

* Predetermined Tare

Today Loads: 3
Today Qty: 94.05 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent
Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

CEMEX

1876048842

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 40808314 **Dispatch:** 0.00 **Date:** 08/20/2010
Ship To: 3031899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 1 -/-

Qty: 29.43 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In:
Out: 3:47 pm

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	94,840	47.42	43.02
Tare:	35,980	17.98	16.32
Net:	58,860	29.43	26.70

* Predetermined Tare

Today Loads: 4
Today Qty: 123.48 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN.

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.62, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

WYSER INC. CONSTRUCTION

EXPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking lot** **DATE: August 23, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	L & L Transport	2820/1876048866	2:32 PM	9.39 ton	Cemex	8/23/2010	Class 3 Soil	9.39
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17						Class 3 Soil	*Total Tons*	9.39
18								
19								

CEMEX

1876048866

Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 40808314 **Dispatch:** 0 00 **Date:** 08/23/2010
Ship To: 3031899 - WYSER CONSTRUCTION INC
76:GSA EAST MARGINAL WAY
76:GSA EAST MARGINAL WAY
EVERETT, WA 98213
Instruct:

Job #: **PO:** DAN REYNOLDS
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034258 - LL3T,L&LTRANSPORT
Tractor / Trailer1 / Trailer 2: -/- 1 -/-

Qty: 9.39 ton
Weighmaster:
CEMEX
Deputy Weighmaster:
Malia J. Leake
Scale: 1
In:
Out: 2:32 pm

--- DRIVER ON AT TARE & GROSS ---

	lb	ton	tne
Gross:	54,760	27.38	24.84
Tare:	35,980	17.99	16.32
Net:	18,780	9.39	8.52

* Predetermined Tare

Today Loads: 1
Today Qty: 9.39 ton

CEMEX'S STANDARD TERMS AND CONDITIONS IN CORPORATED HEREIN

Signature of Receiving Agent Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623 = TONNES TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

WYSER INC
CONSTRUCTION

EXPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking lot** **DATE: August 24, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	L & L Transport	2821/176641	12:31 PM	8 cy	Renton Recyclers	8/24/2010	Asphalt	8 cy
2	L & L Transport	2821/101278	12:52 PM	1.19 ton	Allied Waste	8/24/2010	Debri	1.19
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17						Asphalt	*Total Yards*	8 cy
18						Debri	*Total Tons*	1.19
19								

RENTON CONCRETE RECYCLERS

22121 17th Ave. S.E., Suite 117 - Bothell, WA 98021
PIT SITE: 500 MONSTER RD. S.W.
RENTON, WA 98055
(BLACK RIVER QUARRY SITE)

No 176641

SITE PHONE: (206) 772-2278 **BUSINESS OFFICE: (425) 481-9101**

Date 8-24-10

Customer: LOYSE CONSTR Phone:

Address: Job # EHSL-10-1236

Delivery Address:

Special Instructions:

Hauler's Name L&L transport Scaleperson JM/LO

☐ CASH ☒ CHARGE

TRUCK #	TIME	MATERIAL	GROSS	TARE	NET	NET T/YDS	PRICE	DRIVER'S SIGNATURE
4	13:3	HSPH			2-Sm	8.4		
		Job # EHSL-10-1236						

Subtotal

Tax

Total

DRIVER'S SIGNATURE

NOTICE It is specifically agreed that this company shall not be in anyway responsible for damage to customer's property, resulting in deliveries beyond curb line.

TERMS: NET 15 DAYS from the end of the month. A finance charge will be assessed on all past due accounts at a rate of 1 1/2% per month. Annual finance charge of 18%.

SITE	TICKET	GRID

WEIGHMASTER

01 101278 000

DATE IN	TIME IN
WOOO64 FAHLE G	

DATE OUT	TIME OUT
24 August 2010	12:52 pm

VEHICLE	ROLL OFF
24 August 2010	12:52 pm

REFERENCE	ORIGIN -
WYSER30	

ALLIED WASTE REGIONAL DISPOSAL COMPANY
BLACK RIVER TRANSFER STATION
501 MONSTER ROAD
RENTON WA 98059
012878
Wyser Construction Inc.
17015 109th Ave SE
Snohomish, WA 98296

Contract: CDL SEATTLE

A SEATTLE/KING

00 Gross Weight 38,520.00 lb TRK 4/1&L TRANSPORT

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
	Tare Weight	36,140.00				
	Net Weight	2,380.00 lb 1.19 TN				
1.19	TN	C&D	$80.00	$95.20	$10.31	$106.51
				King Co. CDL	$4.25 Tn	
				WA Refuse	3.6%	
				Renton City	6.0%	
				King Co Health	[illegible]	

Job # EHBL-10-1236

Hauler [illegible]

NET AMOUNT
TENDERED
$106.51
CHANGE
CHECK NO.

It's the Right Thing!

Wyser Const.

AFETY MEMOS:
Hard hats MUST be worn.
High Visibility vests MUST be worn.
Passengers MUST remain in vehicle at all times.

SIGNATURE [signature]

WYSER INC CONSTRUCTION

IMPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking Lot** **DATE: August 3, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	LOAD TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS	
1	Wyser Construction	1136/969835√	7:07 AM	31.64 ton	Calportland	8/3/2010	Gravel Borrow	31.64	
2	Wyser Construction	1136/969853√	9:45 AM	31.46 ton	Calportland	8/3/2010	Gravel Borrow	31.46	
3	Wyser Construction	1136/969873√	12:23 PM	31.26 ton	Calportland	8/3/2010	Gravel Borrow	31.26	*94.36*
4	L & L Transport√	2807/969834√	7:05 AM	32.71 ton	Calportland	8/3/2010	Gravel Borrow	32.71	
5	L & L Transport	2807/969852√	9:44 AM	31.84 ton	Calportland	8/3/2010	Gravel Borrow	31.84	
6	L & L Transport	2807/969872√	12:20 PM	31.40 ton	Calportland	8/3/2010	Gravel Borrow	31.40	*95.95*
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17							Total Tons	190.31√	
18									

DELIVERY TICKET

NO: 969835

PLANT NO.177

8/3/2010 7:07:39 AM Qty. Today: 64.35 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 2

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSL-10-1236

	LB	TON	mTON
GROSS	105680	52.84	47.94
TARE	42400	21.20	19.23
NET	63280	31.64	28.70

PRODUCT: 8128 Gravel Borrow/Type 17 31.64 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: WYS30

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

NOT RESPONSIBLE FOR DAMAGE CAUSED BY DELIVERY MORE THAN ONE LINE

DELIVERY TICKET

NO: 969853

PLANT NO.177

8/3/2010 9:45:59 AM Qty. Today: 127.65 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 4

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSL-10-1236

	LB	TON	mTON
GROSS	105320	52.66	47.77
TARE	42400	21.20	19.23
NET	62920	31.46	28.54

PRODUCT: 8128 Gravel Borrow/Type 17 31.46 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: WYS30

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

NOT RESPONSIBLE FOR DAMAGE CAUSED BY DELIVERY MORE THAN ONE LINE

NO: 969873

DELIVERY TICKET

PLANT NO.177 Qty. Today:190.31 Ton

8/3/2010 12:23:08 PM Loads: 6

CUSTOMER: 80045 **Seattle Aggregate Yard**

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

	LB	TON	mTON
GROSS	104920	52.46	47.59
TARE	42400	21.20	19.23
NET	62520	31.26	28.36

P.O.: EHSL-10-1236

PRODUCT: 8128 Gravel Borrow/Type 17 31.26 Ton

WEIGHMASTER: _____

DEL. TO:

ZONE:
HAULER #: 999
TRUCK #: WYS30

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 969834

PLANT NO.177
8/3/2010 7:05:48 AM
Qty. Today: 32.71 Ton
CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 1
SOLD TO: WYSER CONSTRUCTION, INC.
ORDER: FOB
2010 PICKED UP PRICES

	LB	TON	mTON
GROSS	101620	50.81	46.09
TARE	36200	18.10	16.42
NET	65420	32.71	29.67

P.O.: EHSL-10-1236
PRODUCT: 8128 Gravel Borrow/Type 17 32.71 Ton
DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 969852

PLANT NO.177
8/3/2010 9:44:02 AM
Qty. Today: 96.19 Ton
CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 3
SOLD TO: WYSER CONSTRUCTION, INC.
ORDER: FOB
2010 PICKED UP PRICES

	LB	TON	mTON
GROSS	99880	49.94	45.30
TARE	36200	18.10	16.42
NET	63680	31.84	28.88

P.O.: EHSL-10-1236
PRODUCT: 8128 Gravel Borrow/Type 17 31.84 Ton
DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 969872

PLANT NO.177

8/3/2010 12:20:09 PM

Qty. Today:159.05 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 5

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

	LB	TON	mTON
GROSS	99000	~~49.50~~	~~44.91~~
TARE	36200	18.10	16.42
NET	62800	31.40	28.49

P.O.: EHSL-10-1236

PRODUCT: 8128 Gravel Borrow/Type 17 31.40 Ton

WEIGHMASTER: _____

DEL. TO:

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

NOT RESPONSIBLE FOR DAMAGE CAUSED BY DELIVERY MADE PRIOR TO INC

WYSER INC CONSTRUCTION

IMPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking Lot** **DATE: August 4, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	LOAD TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	L & L Transport √	2810/969920	9:35 AM	30.22 ton	Calportland	8/4/2010	2 X 4 Rock	30.22
2	L & L Transport	2810/969944	12:08 PM	32.92 ton	Calportland	8/4/201	Gravel Borrow	32.92
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16						2 X 4 Rock	Total Tons	30.22
17						Gravel Borro	Total Tons	32.92
18								

DELIVERY TICKET

NO: 969920

PLANT NO.177

8/4/2010 9:35:56 AM

Qty. Today: 30.22 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 1

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

	LB	TON	mTON
GROSS	96640	48.32	43.84
TARE	36200	18.10	16.42
NET	60440	30.22	27.42

P.O.: EHSL-10-1236

PRODUCT: 8520 2" x 4" Quarry Spalls 30.22 Ton

DEL. TO:

WEIGHMASTER: _____

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

ZONE:
HAULER #: 999
TRUCK #: L&L

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

NOT RESPONSIBLE FOR DAMAGE CAUSED BY THE HEAVY MIXER TRUCK

DELIVERY TICKET

NO: 969944

PLANT NO.177

8/4/2010 12:08:12 PM

Qty. Today: 32.92 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 1

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

	LB	TON	mTON
GROSS	102040	51.02	46.28
TARE	36200	18.10	16.42
NET	65840	32.92	29.86

P.O.: EHSL-10-1236

PRODUCT: 8128 Gravel Borrow/Type 17 32.92 Ton

DEL. TO:

WEIGHMASTER: _____

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

ZONE:
HAULER #: 999
TRUCK #: L&L

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

WYSER INC CONSTRUCTION

IMPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking Lot** **DATE: August 5, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	LOAD TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	L & L Transport √	2809/969987√	10:10 AM	32.38 ton	Calportland	8/5/2010	Gravel Borrow	32.38
2	L & L Transport	2809/970010√	12:52 PM	29.29 ton	Calportland	8/5/2010	Gravel Borrow	29.29
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17						Gravel Borrow	Total Tons	61.67 √
18								

DELIVERY TICKET

NO: 969987

PLANT NO.177

8/5/2010 10:10:02 AM Qty. Today: 32.38 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 1

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSL-10-1236

	LB	TON	mTON
GROSS	100960	50.48	45.79
TARE	36200	18.10	16.42
NET	64760	32.38	29.37

PRODUCT: 8128 Gravel Borrow/Type 17 32.38 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 970010

PLANT NO.177

8/5/2010 12:52:40 PM Qty. Today: 61.67 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 2

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSL-10-1236

	LB	TON	mTON
GROSS	94780	47.39	42.99
TARE	36200	18.10	16.42
NET	58580	29.29	26.57

PRODUCT: 8128 Gravel Borrow/Type 17 29.29 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

WYSER INC
CONSTRUCTION

IMPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking Lot** **DATE: August 6, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	LOAD TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS	
1	Wyser Construction	1140/970034	7:01 AM	30.30 ton	Calportland	8/6/2010	1¼" Minus	30.30	
2	Wyser Construction	1140/970078	12:04 PM	29.56 ton	Calportland	8/6/2010	1¼" Minus	29.56	*59.86*
3	Wyser Construction	1140/970055	9:28 AM	32.26 ton	Calportland	8/6/2010	Gravel Borrow	32.26	
4									
5	L & L Transport √	2810/970054	9:18 AM	32.01 ton	Calportland	8/6/2010	Gravel Borrow	32.01	
6									
7									
8									
9									
10									
11									
12									
13									
14									
15						1¼" Minus	Total Tons	59.86	
16						Gravel Borrow	Total Tons	64.27	
17									
18									

DELIVERY TICKET

NO: 970034

PLANT NO.177

8/6/2010 7:01:55 AM Qty. Today: 30.30 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 1

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

	LB	TON	mTON
GROSS	102980	51.49	46.71
TARE	42380	21.19	19.22
NET	60600	30.30	27.49

P.O.: EHSI-10-1236

PRODUCT: 8545 1 1/4" Minus Quarry Rock 30.30 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: WYS30

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 970055

PLANT NO.177

8/6/2010 9:28:50 AM Qty. Today: 64.27 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 2

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

	LB	TON	mTON
GROSS	106900	53.45	48.49
TARE	42380	21.19	19.22
NET	64520	32.26	29.27

P.O.: EHSI-10-1236

PRODUCT: 8128 Gravel Borrow/Type 17 32.26 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: WYS30

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET **NO: 970078**

PLANT NO.177

8/6/2010 12:04:15 PM Qty. Today: 59.86 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 2

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	101500	50.75	~~46.04~~
TARE	42380	21.19	19.22
NET	59120	29.56	26.82

PRODUCT: 8545 1 1/4" Minus Quarry Rock 29.56 Ton

DEL. TO:

WEIGHMASTER: ________

ZONE:
HAULER #: 999
TRUCK #: WYS30

RECEIVED BY: ____________________

MTL.
FRT.
ENVIRO.
TAX
TOTAL

GLACIER NORTHWEST, INC. (206)938-6761

NOT RESPONSIBLE FOR DAMAGE CAUSED BY DELIVERY INSIDE CURB LINE

DELIVERY TICKET **NO: 970054**

PLANT NO.177

8/6/2010 9:18:59 AM Qty. Today: 32.01 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 1

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	100220	50.11	45.46
TARE	36200	18.10	16.42
NET	64020	32.01	29.04

PRODUCT: 8128 Gravel Borrow/Type 17 32.01 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

WYSER INC
CONSTRUCTION

IMPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking Lot** **DATE: August 16, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	LOAD TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS	
1	Wyser Construction	1146/970476√	11:59 AM	32.26 ton	Calportland	8/16/2010	1¼" Minus	32.26	
2	Wyser Construction	1146/970498√	2:16 PM	30.80 ton	Calportland	8/16/2010	1¼" Minus	30.80	*63.06*
3									
4	L & L Transport	2815/970466	9:27 AM	31.94 ton	Calportland	8/16/2010	Gravel Borrorw	31.94	
5	L & L Transport	2815/970473	11:41 AM	33.37 ton	Calportland	8/16/2010	Gravel Borrorw	33.37	
6	L & L Transport	2815/970496√	2:09 PM	31.06 ton	Calportland	8/16/2010	Gravel Borrorw	31.06	
7									
8									
9									
10									
11									
12									
13									
14									
15						1¼" Minus	Total Tons	63.06	
16						Gravel Borrow	Total Tons	96.37	
17									
18									

DELIVERY TICKET

NO: 970476

PLANT NO.177

8/16/2010 11:59:19 AM

Qty. Today: 32.26 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 1

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	106580	53.29	48.34
TARE	42060	21.03	19.08
NET	64520	32.26	29.27

PRODUCT: 8545 1 1/4" Minus Quarry Rock 32.26 Ton

DEL. TO:

WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: WYS30

MTL.
FRT.
ENVIRO.
TAX
TOTAL

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

NOT RESPONSIBLE FOR DAMAGE CAUSED BY DELIVERY INSIDE CURB LINE

DELIVERY TICKET

NO: 970498

PLANT NO.177

8/16/2010 2:16:52 PM

Qty. Today: 63.06 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 2

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	103660	51.83	47.02
TARE	42060	21.03	19.08
NET	61600	30.80	27.94

PRODUCT: 8545 1 1/4" Minus Quarry Rock 30.80 Ton

DEL. TO:

WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: WYS30

MTL.
FRT.
ENVIRO.
TAX
TOTAL

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

NOT RESPONSIBLE FOR DAMAGE CAUSED BY DELIVERY INSIDE CURB LINE

DELIVERY TICKET

NO: 970466

PLANT NO.177

8/16/2010 9:27:49 AM Qty. Today: 31.94 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 1

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSL-10-1236

	LB	TON	mTON
GROSS	100080	50.04	45.40
TARE	36200	18.10	16.42
NET	63880	31.94	28.98

PRODUCT: 8128 Gravel Borrow/Type 17 31.94 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

RECEIVED BY: _____

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

GLACIER NORTHWEST, INC. (206)938-6761

NOT RESPONSIBLE FOR DAMAGE CAUSED BY DELIVERY INSIDE CURB LINE

DELIVERY TICKET

NO: 970473

PLANT NO.177

8/16/2010 11:41:56 AM Qty. Today: 65.31 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 2

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSL-10-1236

	LB	TON	mTON
GROSS	102940	51.47	46.69
TARE	36200	18.10	16.42
NET	66740	33.37	30.27

PRODUCT: 8128 Gravel Borrow/Type 17 33.37 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

RECEIVED BY: _____

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

GLACIER NORTHWEST, INC. (206)938-6761

NOT RESPONSIBLE FOR DAMAGE CAUSED BY DELIVERY INSIDE CURB LINE

DELIVERY TICKET

NO: 970496

PLANT NO.177

8/16/2010 2:09:20 PM Qty. Today: 96.37 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 3

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	98320	49.16	44.60
TARE	36200	18.10	16.42
NET	62120	31.06	28.18

PRODUCT: 8128 Gravel Borrow/Type 17 31.06 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

NOT RESPONSIBLE FOR DAMAGE CAUSED BY ICE UNDER INSIDE CURB LINE

WYSER INC
CONSTRUCTION

IMPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking Lot** **DATE: August 17, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	LOAD TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS	
1	Wyser Construction	1142/970510	7:28 AM	31.01 ton	Calportland	8/17/2010	Gravel Borrow	31.01	*31.01*
2									
3	L & L Transport	2816/970533	9:31 AM	30.23 ton	Calportland	8/17/2010	Gravel Borrow	30.23	
4	L & L Transport	2816/970555	11:47 AM	31.43 ton	Calportland	8/17/2010	Gravel Borrow	31.43	
5	L & L Transport	2816/970574	2:08 PM	29.59 TON	Calportland	8/17/2010	Gravel Borrow	29.59	*91.25*
6									
7									
8									
9									
10									
11									
12									
13									
14									
15						Gravel Borrow	Total Tons	122.26	
16									
17									
18									

DELIVERY TICKET **NO: 970510**

PLANT NO.177

8/17/2010 7:28:18 AM Qty. Today: 31.01 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 1

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	104300	52.15	47.31
TARE	42280	21.14	19.18
NET	62020	31.01	28.13

PRODUCT: 8128 Gravel Borrow/Type 17 31.01 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: WYS30

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 970533

PLANT NO.177

8/17/2010 9:31:28 AM Qty. Today: 61.24 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 2

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	96660	48.33	43.84
TARE	36200	18.10	16.42
NET	60460	30.23	27.42

PRODUCT: 8128 Gravel Borrow/Type 17 30.23 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

RECEIVED BY: _____

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 970555

PLANT NO.177

8/17/2010 11:47:08 AM Qty. Today: 92.67 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 3

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	99060	49.53	44.93
TARE	36200	18.10	16.42
NET	62860	31.43	28.51

PRODUCT: 8128 Gravel Borrow/Type 17 31.43 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

RECEIVED BY: _____

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET **NO: 970574**

PLANT NO.177

8/17/2010 2:08:52 PM Qty. Today:122.26 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 4

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	95380	47.69	43.26
TARE	36200	18.10	16.42
NET	59180	29.59	26.84

PRODUCT: 8128 Gravel Borrow/Type 17 29.59 Ton

DEL. TO:

WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

WYSER INC CONSTRUCTION

IMPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking Lot** **DATE: August 18, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	LOAD TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS	
1	Wyser Construction	1144/970618√	9:18 AM	14.78 ton	Calportland	8/18/2010	2" x 4" Quarry	14.78	
2	Wyser Construction	1144/970645√	11:28 AM	14.87 ton	Calportland	8/18/2010	2" x 4" Quarry	14.87	*29.65*
3	Wyser Construction	1144/970666√	2:04 PM	14.46 ton	Calportland	8/18/2010	Gravel Borrow	14.46	*14.46*
4									
5	L & L Transport√	2817/970615	9:16 AM	30.21 ton	Calportland	8/18/2010	Gravel Borrow	30.21	
6	L & L Transport	2817/970647	11:33 AM	30.80 ton	Calportland	8/18/2010	Gravel Borrow	30.80	
7	L & L Transport	2817/970668	2:21 PM	29.73 ton	Calportland	8/18/2010	Gravel Borrow	29.73	*90.74*
8									
9									
10									
11									
12									
13									
14						2" x 4" Quarry	Total Tons	29.65	√
15						Gravel Borrow	Total Tons	105.20	√
16									
17									
18									

DELIVERY TICKET

NO: 970618

PLANT NO.177

8/18/2010 9:18:56 AM

Qty. Today: 14.78 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 1

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

	LB	TON	mTON
GROSS	55920	27.96	25.36
TARE	26360	13.18	11.96
NET	29560	14.78	13.41

P.O.: EHSI-10-1236

PRODUCT: 8520 2" x 4" Quarry Spalls 14.78 Ton

DEL. TO:

WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: WYS30S

RECEIVED BY: _____

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 970645

PLANT NO.177

8/18/2010 11:28:29 AM

Qty. Today: 29.65 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 2

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

	LB	TON	mTON
GROSS	56100	28.05	25.45
TARE	26360	13.18	11.96
NET	29740	14.87	13.49

P.O.: EHSI-10-1236

PRODUCT: 8520 2" x 4" Quarry Spalls 14.87 Ton

DEL. TO:

WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: WYS30S

RECEIVED BY: _____

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET **NO: 970666**

PLANT NO.177

8/18/2010 2:04:02 PM Qty. Today: 75.47 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 3

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

	LB	TON	mTON
GROSS	55280	~~27~~.64	~~25~~.~~07~~
TARE	26360	13.18	11.96
NET	28920	14.46	13.12

P.O.: EHSI-10-1236

PRODUCT: 8128 Gravel Borrow/Type 17 14.46 Ton

DEL. TO: WEIGHMASTER: _____

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

ZONE:
HAULER #: 999
TRUCK #: WYS30[illegible]

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-67[illegible]

DELIVERY TICKET

NO: 970615

PLANT NO.177
8/18/2010 9:16:18 AM
Qty. Today: 30.21 Ton
CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 1
SOLD TO: WYSER CONSTRUCTION, INC.
ORDER: FOB
2010 PICKED UP PRICES

	LB	TON	mTON
GROSS	96620	48.31	43.83
TARE	36200	18.10	16.42
NET	60420	30.21	27.41

P.O.: EHSI-10-1236
PRODUCT: 8128 Gravel Borrow/Type 17 30.21 Ton
DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.
FRT.
ENVIRO.
TAX
TOTAL

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 970647

PLANT NO.177
8/18/2010 11:33:48 AM
Qty. Today: 61.01 Ton
CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 2
SOLD TO: WYSER CONSTRUCTION, INC.
ORDER: FOB
2010 PICKED UP PRICES

	LB	TON	mTON
GROSS	97800	48.90	44.36
TARE	36200	18.10	16.42
NET	61600	30.80	27.94

P.O.: EHSI-10-1236
PRODUCT: 8128 Gravel Borrow/Type 17 30.80 Ton
DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.
FRT.
ENVIRO.
TAX
TOTAL

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET **NO: 970668**

PLANT NO.177

8/18/2010 2:21:38 PM Qty. Today:105.20 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 4

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	95660	47.83	43.39
TARE	36200	18.10	16.42
NET	59460	29.73	26.97

PRODUCT: 8128 Gravel Borrow/Type 17 29.73 Ton

DEL. TO:

WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.
FRT.
ENVIRO.
TAX
TOTAL

RECEIVED BY _____

GLACIER NORTHWEST, INC. (206)938-6761

WYSER CONSTRUCTION INC

IMPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking Lot** **DATE: August 19, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	LOAD TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	L & L Transport	2818/970695	9:07 AM	30.56 ton	Calportland	8/19/2010	Gravel Borrow	30.56
2	L & L Transport	2818/970714	11:24 AM	29.83 ton	Calportland	8/19/2010	Gravel Borrow	29.83
3	L & L Transport	2818/970733	1:57 PM	30.71 ton	Calportland	8/19/2010	Gravel Borrow	30.71
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15						Gravel Borrow	Total Tons	91.10
16								
17								
18								

DELIVERY TICKET **NO: 970695**

PLANT NO.177

8/19/2010 9:07:47 AM Qty. Today: 30.56 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 1

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	97320	48.66	44.14
TARE	36200	18.10	16.42
NET	61120	30.56	27.72

PRODUCT: 8128 Gravel Borrow/Type 17 30.56 Ton

DEL. TO:

WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

RECEIVED BY: _____

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET **NO: 970714**

PLANT NO.177

8/19/2010 11:24:14 AM Qty. Today: 60.39 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 2

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	95860	47.93	43.48
TARE	36200	18.10	16.42
NET	59660	29.83	27.06

PRODUCT: 8128 Gravel Borrow/Type 17 29.83 Ton

DEL. TO:

WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

RECEIVED BY: _____

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET **NO: 970733**

PLANT NO.177

8/19/2010 1:57:45 PM Qty. Today: 91.10 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 3

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	97620	48.81	44.28
TARE	36200	18.10	16.42
NET	61420	30.71	27.86

PRODUCT: 8128 Gravel Borrow/Type 17 30.71 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

RECEIVED BY: _____

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

GLACIER NORTHWEST, INC. (206)938-6761

WYSER INC
CONSTRUCTION

IMPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking Lot** **DATE: August 20, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	LOAD TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS	
1	L & L Transport	2819/970768	9:06 AM	30.98 ton	Calportland	8/20/2010	Gravel Borrow	30.98	*30.98*
2	L & L Transport	2819/970787	11:34 AM	30.37 ton	Calportland	8/20/2010	2" X 4" Quarry	30.37	*30.37*
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15						Gravel Borrow	Total Tons	30.98	
16						2" X 4" Quarry	Total Tons	30.37	
17									
18									

DELIVERY TICKET

NO: 970787

PLANT NO.177

8/20/2010 11:34:11 AM Qty. Today: 30.37 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 1

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	96940	48.47	43.97
TARE	36200	18.10	16.42
NET	60740	30.37	27.55

PRODUCT: 8520 2" x 4" Quarry Spalls 30.37 Ton

DEL. TO:

WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

RECEIVED BY: _____

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 970768

PLANT NO.177

8/20/2010 9:06:11 AM Qty. Today: 30.98 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 1

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	98160	49.08	44.52
TARE	36200	18.10	16.42
NET	61960	30.98	28.10

PRODUCT: 8128 Gravel Borrow/Type 17 30.98 Ton

DEL. TO:

WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

RECEIVED BY: _____

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

GLACIER NORTHWEST, INC. (206)938-6761

WYSER INC
CONSTRUCTION

IMPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking Lot** **DATE: August 23, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	LOAD TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS	
1	L & L Transport	2820/970817	7:03 AM	30.93 ton	Calportland	8/23/2010	2" X 4" Quarry	30.93	
2	L & L Transport	2820/970819	7:39 AM	29.98 ton	Calportland	8/23/2010	2" X 4" Quarry	29.98	
3	L & L Transport	2820/970830	8:57 AM	15.30 ton	Calportland	8/23/2010	2" X 4" Quarry	15.30	*76.21*
4	L & L Transport	2820/970823	8:13 AM	31.09 ton	Calportland	8/23/2010	Gravel Borrow	31.09	
5	L & L Transport	2820/970828	8:50 AM	14.67 ton	Calportland	8/23/2010	Gravel Borrow	14.67	
6	L & L Transport	2820/970843	9:36 AM	30.67 ton	Calportland	8/23/2010	Gravel Borrow	30.67	
7	L & L Transport	2820/970852	10:40 AM	31.24 ton	Calportland	8/23/2010	Gravel Borrow	31.24	
8	L & L Transport	2820/970863	11:48 AM	30.87 ton	Calportland	8/23/2010	Gravel Borrow	30.87	
9	L & L Transport	2820/970867	12:21 PM	29.47 ton	Calportland	8/23/2010	Gravel Borrow	29.47	
10	L & L Transport	2820/970877	12:58 PM	30.22 ton	Calportland	8/23/2010	Gravel Borrow	30.22	*198.23*
11									
12									
13									
14									
15									
16						2" X 4" Quarry	Total Tons	76.21	
17						Gravel Borrow	Total Tons	198.23	
18									

DELIVERY TICKET

NO: 970817

PLANT NO.177

8/23/2010 7:03:16 AM

Qty. Today: 30.93 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 1

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	98060	49.03	44.48
TARE	36200	18.10	16.42
NET	61860	30.93	28.06

PRODUCT: 8520 2" x 4" Quarry Spalls 30.93 Ton

DEL. TO:

WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.
FRT.
ENVIRO.
TAX
TOTAL

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 970819

PLANT NO.177

8/23/2010 7:39:46 AM

Qty. Today: 60.91 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 2

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	96160	48.08	43.62
TARE	36200	18.10	16.42
NET	59960	29.98	27.20

PRODUCT: 8520 2" x 4" Quarry Spalls 29.98 Ton

DEL. TO:

WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.
FRT.
ENVIRO.
TAX
TOTAL

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 970830

PLANT NO.177

8/23/2010 8:57:46 AM Qty. Today: 76.21 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 3

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	96140	48.07	43.61
TARE	65540	32.77	29.73
NET	30600	15.30	13.88

PRODUCT: 8520 2" x 4" Quarry Spalls 15.30 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

RECEIVED BY: _____

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 970823

PLANT NO.177

8/23/2010 8:13:57 AM Qty. Today: 31.09 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 1

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	98380	49.19	44.62
TARE	36200	18.10	16.42
NET	62180	31.09	28.20

PRODUCT: 8128 Gravel Borrow/Type 17 31.09 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

RECEIVED BY: _____

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 970828

PLANT NO.177

8/23/2010 8:50:33 AM Qty. Today: 45.76 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 2

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	65540	32.77	29.73
TARE	36200	18.10	16.42
NET	29340	14.67	13.31

PRODUCT: 8128 Gravel Borrow/Type 17 14.67 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 970843

PLANT NO.177

8/23/2010 9:36:27 AM Qty. Today: 76.43 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 3

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	97540	48.77	44.24
TARE	36200	18.10	16.42
NET	61340	30.67	27.82

PRODUCT: 8128 Gravel Borrow/Type 17 30.67 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 970852

PLANT NO.177

8/23/2010 10:40:21 AM Qty. Today:107.67 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 4

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	98680	49.34	44.76
TARE	36200	18.10	16.42
NET	62480	31.24	28.34

PRODUCT: 8128 Gravel Borrow/Type 17 31.24 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 970863

PLANT NO.177

8/23/2010 11:48:36 AM Qty. Today:138.54 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 5

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	97940	48.97	44.42
TARE	36200	18.10	16.42
NET	61740	30.87	28.00

PRODUCT: 8128 Gravel Borrow/Type 17 30.87 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 970867

PLANT NO.177

8/23/2010 12:21:05 PM

Qty. Today:168.01 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 6

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

	LB	TON	mTON
GROSS	95140	47.57	43.15
TARE	36200	18.10	16.42
NET	58940	29.47	26.73

P.O.: EHSI-10-1236

PRODUCT: 8128 Gravel Borrow/Type 17 29.47 Ton

DEL. TO:

WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.
FRT.
ENVIRO.
TAX
TOTAL

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 970877

PLANT NO.177

8/23/2010 12:58:24 PM

Qty. Today:198.23 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 7

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

	LB	TON	mTON
GROSS	96640	48.32	43.84
TARE	36200	18.10	16.42
NET	60440	30.22	27.42

P.O.: EHSI-10-1236

PRODUCT: 8128 Gravel Borrow/Type 17 30.22 Ton

DEL. TO:

WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.
FRT.
ENVIRO.
TAX
TOTAL

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

WYSER INC
CONSTRUCTION

IMPORT MATERIALS LOG

EHSI-10-1236 **East Marginal Way** **Parking Lot** **DATE: August 24, 2010**

LOAD NO.	TRUCKING COMPANY	MANIFEST #	LOAD TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS	
1	L & L Transport	2821/970916	10:06 AM	30.91 ton	Calportland	8/24/2010	Gravel Borrow	30.91	
2	L & L Transport	2821/970920	10:42 AM	30.50 ton	Calportland	8/24/2010	Gravel Borrow	30.50	*61.41*
3	L & L Transport	2821/970946	1:35 PM	33.43 ton	Calportland	8/24/2010	1¼" Minus	33.43	*33.43*
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16						Gravel Borro	Total Tons	61.41	
17						1¼" Minus	Total Tons	33.43	
18									

DELIVERY TICKET

NO: 970916

PLANT NO.177

8/24/2010 10:06:58 AM Qty. Today: 30.91 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 1

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	98020	49.01	44.46
TARE	36200	18.10	16.42
NET	61820	30.91	28.04

PRODUCT: 8128 Gravel Borrow/Type 17 30.91 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET

NO: 970920

PLANT NO.177

8/24/2010 10:42:51 AM Qty. Today: 61.41 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 2

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	97200	48.60	44.09
TARE	36200	18.10	16.42
NET	61000	30.50	27.67

PRODUCT: 8128 Gravel Borrow/Type 17 30.50 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

RECEIVED BY: _____

GLACIER NORTHWEST, INC. (206)938-6761

DELIVERY TICKET **NO: 970946**

PLANT NO.177

8/24/2010 1:35:29 PM Qty. Today: 33.43 Ton

CUSTOMER: 80045 **Seattle Aggregate Yard** Loads: 1

SOLD TO: WYSER CONSTRUCTION, INC.

ORDER: FOB
2010 PICKED UP PRICES

P.O.: EHSI-10-1236

	LB	TON	mTON
GROSS	103060	51.53	46.75
TARE	36200	18.10	16.42
NET	66860	33.43	30.33

PRODUCT: 8545 1 1/4" Minus Quarry Rock 33.43 Ton

DEL. TO: WEIGHMASTER: _____

ZONE:
HAULER #: 999
TRUCK #: L&L

RECEIVED BY: _____

MTL.	
FRT.	
ENVIRO.	
TAX	
TOTAL	

GLACIER NORTHWEST, INC. (206)938-6761

APPENDIX C: CONTAMINATED WATER DISPOSAL BILLS OF LADING

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. 06783

Carrier No. _____

MARINE VACUUM SERVICE INC.

(Name of carrier) (SCAC)

Date 8-16-10

Page _____ of _____

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO: Consignee MARINE VACUUM SERVICE INC.

Street 1516 S. GRAHAM ST.

City SEATTLE State, WA Zip Code 98108

FROM: Shipper Wyser Construction

Street 4764 E. MARGINAL Wy.

City Seattle State WA Zip Code

24 hr. Emergency Contact Tel. No. 800-540-7491

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1TT		NON-REGULATED WASTE WATER	3000	Gallon		

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER

PER [signature] EAST

CARRIER MARINE VACUUM SERVICE INC.

PER [signature]

DATE 8-16-10

1

Permanent post-office address of shipper.

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. 06779

Carrier No.

Date 8-16-10

Page _____ of _____

MARINE VACUUM SERVICE INC.

(Name of carrier) (SCAC)

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee MARINE VACUUM SERVICE INC.

Street 1516 S. GRAHAM ST.

City SEATTLE State, WA Zip Code 98108

FROM:
Shipper Wyser Const.

Street 4764 E MARGINAL WAY

City Seattle State Zip Code

24 hr. Emergency Contact Tel. No. 800-540-7491

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1TT		NON-REGULATED WASTE - WATER	5000	Gallon		

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER

PER

CARRIER MARINE VACUUM SERVICE INC.

PER

DATE 8-16-10

1

Permanent post-office address of shipper.

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. 06808

Carrier No. _____

Page _____ of _____

MARINE VACUUM SERVICE INC.

(Name of carrier) (SCAC)

Date 8/17/2010

On Collect on Delivery shipments, the letters"COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO: Consignee MARINE VACUUM SERVICE INC.

Street 1516 S. GRAHAM ST.

City SEATTLE State, WA Zip Code 98108

FROM: Shipper Wyser Construction

Street 4764 E. Marginal way

City Seattle State WA Zip Code

24 hr. Emergency Contact Tel. No. 800-540-7491

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT		Non-Regulated Liquid waste water/ground water	2,900 gal.			

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER

PER _____

CARRIER MARINE VACUUM SERVICE INC.

PER _____

DATE 08/17/2010

1

Permanent post-office address of shipper.

APPENDIX D: HAZARDOUS AND NON-HAZARDOUS WASTE MANIFESTS

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
WA8470031891	1	800-916-1240	08205

GENERATOR

5. Generator's Name and Mailing Address
Federal Center South
4735 East Marginal Way Sourth
Seattle, WA 98134-2325, Lance Kualii
Generator's Phone: 253 931-7000

Generator's Site Address (if different than mailing address)
4735 East Marginal Way South
Seattle, WA 98134

6. Transporter 1 Company Name
Kleen Environmental Technologies, Inc.

U.S. EPA ID Number
WAH000004457

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Pacific Iron and Metal
2230 4th Ave
Seattle, WA 98124
Facility's Phone: 206-628-6232

U.S. EPA ID Number
NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Material Not Regulated by D.O.T. (Metal Debris for Recycle)	7	DM	900	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
9-1) Crushed Metal Cans for Recycle

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Lance P. Kualii
Signature: Lance P. Kualii
Month: 9 Day: 13 Year: 10

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Mike Parsons
Signature: Mike Parsons
Month: 9 Day: 13 Year: 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month Day Year

10003

169-BLC-O 5 11977 (Rev. 8/06)

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) W/O 1300479 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	[illegible]	[illegible]	800-[illegible]-1940	005845392 JJK

5. Generator's Name and Mailing Address
Federal Center South
4735 East Marginal Way South
Seattle, WA 98134-2385, Lance [illegible]
Generator's Phone: [illegible]

Generator's Site Address (if different than mailing address)
4735 East Marginal Way South
Seattle, WA 98134

6. Transporter 1 Company Name
Kleen Environmental Technologies, Inc
U.S. EPA ID Number [illegible]

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Burlington Environmental, Inc.
20245 77th Avenue South
Kent, WA 98032
Facility's Phone: [illegible]
U.S. EPA ID Number [illegible]

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN3264, Waste Corrosive Liquids, Acidic, Inorganic, N.O.S., 8, PG II ERG # (154) - Lab Pack Lists Attached	1	DF	96	P	D002		
X	2. UN1993, Waste Flammable Liquids, N.O.S., 3, PG II ERG # (128) - Lab Pack Lists Attached	1	DM	60	P	D001	F003	U239
X	3. UN1993, Waste Flammable Liquids, N.O.S., 3, PG II ERG # (128) - Lab Pack Lists Attached	1	DM	35	P	D001		
X	4. UN3082, Waste Environmentally Hazardous Substances, Liquid, N.O.S., 9, PG III ERG # (171) - Lab Pack Lists Attached	1	DM	120	P	WT02		

14. Special Handling Instructions and Additional Information

9b-1 through 4) Lab Pack 467945-00, Drum Control Sheet Attached

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [illegible] | Signature: [signature] | Month 9 Day 13 Year 10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: MIKE PARSONS | Signature: [signature] | Month 9 Day 13 Year 10
Transporter 2 Printed/Typed Name | Signature | Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Melissa Thomas | Signature: [signature] | Month 9 Day 15 Year 10

12086

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) W/O 1300479 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number

24. Generator's Name

General Services Administration - Federal Center South
4735 East Marginal Way South

25. Transporter ______ Company Name — U.S. EPA ID Number

26. Transporter ______ Company Name — U.S. EPA ID Number

GENERATOR

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
X	5) UN2810, Waste Toxic Liquids, Organic, N.O.S., 6.1, PG II ERG # (153) - Lab Pack Lists Attached	1	DF	25	P	U044	W?02	
X	6) UN3266, Waste Corrosive Liquid, Basic, Inorganic, N.O.S., 8, PG II ERG # (154) - Lab Pack Lists Attached	1	DF	12	P	D002		
X	7) UN1992, Waste Flammable Liquids, Toxic, N.O.S., 3(6.1), PG II ERG # (131) - Lab Pack Lists Attached	1	DF	5	P	D001	D00[illegible]	
X	8) UN3077, Waste Environmentally Hazardous Substances, Solid, N.O.S., 9, PG III (Contains Chloramine) ERG # (171)	1	DM	45	P	[illegible]		

32. Special Handling Instructions and Additional Information

27b-5 through 7) Lab Pack 467945-00, Drum Control Sheet Attached 27b-8) 467946-00, 55-gallon Steel Drum

13088

TRANSPORTER

33. Transporter ______ Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

34. Transporter ______ Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete. **TRANSPORTER'S COPY**

KEY Copy

GSA – Federal Center South
4735 East Marginal Way South
Seattle, WA 98134-2325

Lab-Pack Drum Control Sheet
Manifest Tracking Number 005845392JJK

Manifest Line #	Drum Number	Drum Type	Drum Size
Page 1, 9b-1	GSA-13085-01	Plastic	55-Gallon
Page 1, 9b-2	GSA-13085-02	Steel	30-Gallon
Page 1, 9b-3	GSA-13085-03	Steel	55-Gallon
Page 1, 9b-4	GSA-13085-04	Steel	55-Gallon
Page 2, 27b-5	GSA-13085-05	Plastic	55-Gallon
Page 2, 27b-6	GSA-13085-06	Plastic	5-Gallon
Page 2, 27b-7	GSA-13085-07	Plastic	2.5-Gallon
Page 2, 27b-8	NA	Steel	55-Gallon

Kleen Environmental Technologies, Inc.
RCRA Land Disposal Restriction Notification Form-LP
This form is applicable to shipments of lab packs containing RCRA hazardous wastes.

Generator: GSA – Federal Center South U.S. EPA I.D. #: WA8470031891

Burlington Profile #: 467945-00 Manifest: 005845392JJK

The hazardous waste lab pack(s), as indicated below, are included in this waste shipment and are subject to the U.S. EPA land disposal restrictions of 40 CFR Part 268. The wastes do not meet the treatment standards specified in Part 268, Subpart D or do not meet the applicable prohibition levels specified in 268.32 or RCRA Section 3004(d). This notification and certification form is submitted to Burlington Environmental in accordance with 40 CFR 268.7(a). The applicable notification/certification statement is designated by a check mark in the appropriate box(es) and has been signed by an authorized representative of the waste generator.

NOTIFICATION: The following type(s) of lab pack(s), as designated by a check mark in the appropriate box(es), are included in this waste shipment. Individual lab packs are identified below by their associated drum identification number. The accompanying Lab Pack Drum Inventory Sheet(s) lists the wastes contained in each lab pack and the corresponding land disposal restriction information.

X PACKED TO MEET ALTERNATIVE TREATMENT STANDARDS as defined by 40 CFR 268.42(c). Such lab packs may not include the following waste codes, as specified in Appendix IV to part 268: D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134, U151. EPA waste codes and subcategories are included on the attached inventory sheet(s). Notifications for lab packs managed using the alternative treatment standards do not need to address underlying hazardous constituents.

Treatability Group: X Nonwastewater ☐ Wastewater *(< 1% filterable solids and < 1% Total Organic Carbon)*

This notification and certification applies to the following drums included in this waste shipment:

Drum identification number(s) include: GSA-13085-01, 02, 03, 04, 05 and 06

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack does not contain any wastes identified at Appendix IV to part 268. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment".

X NOT PACKED TO MEET ALTERNATIVE TREATMENT STANDARDS. Notifications for lab packs not managed under the alternative treatment standards of 40 CFR 268.42(c) must meet the requirements of 40 CFR 268.7(a)(1). Complete and attach Form EZ. Complete and attach Form UC if needed to address underlying hazardous constituents reasonably expected to be present.

This notification applies to the following drums included in this waste shipment:

Drum identification number(s) include: GSA-13085-07

CERTIFICATION STATEMENT: In addition to the applicable certification(s) above, I hereby certify that all information submitted in this and all associated documents is complete and accurate to the best of my knowledge and information.

Signature Lance P. Lucchi Title Property Manager

Name Lance P. Lucchi Date 9/13/10

Form LP Revised 2/22/95

PSCNOW.com

ATTACHMENT TO HAZARDOUS WASTE MANIFEST #: 005841535 2 JJK

ContainerWt

LABPACK/COMMERCIAL PRODUCT PACK **Drum #:** GSA-13085-01 **Drum Size:** DF55 **Project #:** 13085 **Date:** 9/7/10

Generator: Federal Center South , SEATTLE, WA 98134-2325 **Profile:** 467945-00

EPA ID #: WA8470031891 **DOT Proper Shipping Name:** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

Hazard Class: 8 **DOT ID #:** UN3264 **Packing Group:** II **RQ:** **Approved By:**

EPA Codes: D002 **State Codes:**

Constituents:

A	B	C 1	C 2	C 3	D 1	D 2	D 3	E	F	G	H	I
		DOT			EPA		State					
Item	Description (chemical and physical)	Haz. Class (sub. haz.)	DOT ID #	Packin Group	Waste Code	Sub. Cat.	Waste Code	Gas/ Solid/ Liquid	# of Cont.	Container Type/Size	Waste Amount (Pounds)	DOT ERCL RQ (lb)
1	Hydrochloric Acid 5-10% Solution	8	UN3264	II	D002			L	258.00	GL/	32	
2	Hydrochloric Acid 5-10% Solution	8	UN3264	II	D002			L	4.00	GL/	8	
3	Sulfuric Acid 5-10%	8	UN3264	II	D002			L	184.00	GL/	28	

For all labpacks with RCRA codes, use LDR form LP.
The following wastes are excluded from 40 CFR 268.42(c) alternative treatment standard (NCIN) per Appendix IV and will require from EZ: D009, F019, K0033-6, K062, K071, K100, K106, P010-12, P076, P078, U134.

Note: All RCRA labpacks must meet 40 CFR 264.316 and 265.316.
DOT's labpack exemption (49 CFR 173.12) includes only Class 3, 4.1, 4.2, PGII, III, 4.3, 5.1, 6.1, PGII, III, 8 or 9, transported by highway only.
Only the same hazard class can be packaged in an outer package (drum). Inner packages must be < = 5.3 gallons in metal or plastic.
The following hazardous materials are excluded from DOT's labpack exemption: 6.1 PG 1, 4.2 PG 1, bromine pentafluoride, bromine trifluoride, chloric acid, and fuming sulfuric acid.

M = metal, GL = glass, PL = plastic, CB = cardboard, CBT = CB tube, P = paper G = gallon, QT = quart, PT = pint, L = liter, ml = milliliter, lb = pound, oz = ounce, g = gram, mg = milligram

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ATTACHMENT TO HAZARDOUS WASTE MANIFEST #: 005845392JJK

ContainerWt

LABPACK/COMMERCIAL PRODUCT PACK **Drum #:** GSA-13085-02 **Drum Size:** DM30 **Project #:** 13085 **Date:** 9/7/10

Generator: Federal Center South , SEATTLE, WA 98134-2325 **Profile:** 467945-00

EPA ID #: WA8470031891 **DOT Proper Shipping Name:** FLAMMABLE LIQUIDS, N.O.S.

Hazard Class: 3 **DOT ID #:** UN1993 **Packing Group:** II **RQ:** **Approved By:**

EPA Codes: D001 F003 U239 **State Codes:**

Constituents:

A	B	C 1	C 2	C 3	D 1	D 2	D 3	E	F	G	H	I
		DOT			EPA		State					
Item	Description (chemical and physical)	Haz. Class (sub. haz.)	DOT ID #	Packin Group	Waste Code	Sub. Cat.	Waste Code	Gas/ Solid/ Liquid	# of Cont.	Container Type/Size	Waste Amount (Pounds)	DOT ERCL RQ (lb)
1	Mineral Spirits/Isoparaffinic Hydrocarbons, 40-60%, Water 40-60%	3	UN1993	II	D001			L	64.00	GL/	32	
2	Ethicon Gut Suture Material Contained in Xylene - Sealed Tubes, Unused	3	UN1993	II	D001 U239			L	85.00	GL/	1.5	
3	Xylene, Water Mix	3	UN1993	II	D001 F003			L	1.00	GL/	4.5	

For all labpacks with RCRA codes, use LDR form LP.
The following wastes are excluded from 40 CFR 268.42(c) alternative treatment standard (NCIN) per Appendix IV and will require from EZ: D009, F019, K0033-6, K062, K071, K100, K106, P010-12, P076, P078, U134.

Note: All RCRA labpacks must meet 40 CFR 264.316 and 265.316.
DOT's labpack exemption (49 CFR 173.12) includes only Class 3, 4.1, 4.2, PGII, III, 4.3, 5.1, 6.1, PGII, III, 8 or 9, transported by highway only.
Only the same hazard class can be packaged in an outer package (drum). Inner packages must be < = 5.3 gallons in metal or plastic.
The following hazardous materials are excluded from DOT's labpack exemption: 6.1 PG 1, 4.2 PG 1, bromine pentafluoride, bromine trifluoride, chloric acid, and fuming sulfuric acid.

M = metal, GL = glass, PL = plastic, CB = cardboard, CBT = CB tube, P = paper G = gallon, QT = quart, PT = pint, L = liter, ml = milliliter, lb = pound, oz = ounce, g = gram, mg = milligram

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ATTACHMENT TO HAZARDOUS WASTE MANIFEST #: 005845392 JJK

ContainerWt

LABPACK/COMMERCIAL PRODUCT PACK Drum #: GSA-13085-03 Drum Size: DM55 Project #: 13085 Date: 9/7/10

Generator: Federal Center South , SEATTLE, WA 98134-2325 Profile: 467945-00

EPA ID #: WA8470031891 DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.

Hazard Class: 3 DOT ID #: UN1993 Packing Group: II RQ: Approved By:

EPA Codes: D001 State Codes:

Constituents:

A	B	C 1	C 2	C 3	D 1	D 2	D 3	E	F	G	H	I
		DOT			EPA		State					
Item	Description (chemical and physical)	Haz. Class (sub. haz.)	DOT ID #	Packin Group	Waste Code	Sub. Cat.	Waste Code	Gas/ Solid/ Liquid	# of Cont.	Container Type/Size	Waste Amount (Pounds)	DOT ERCL RQ (lb)
1	Mineral Oil/Water Mixture							L	133.00	GL/	30	
2	Mineral Spirits/Isoparaffinic Hydrocarbons, Water Mixtrure	3	UN1993	II	D001			L	45.00	GL/	38	

For all labpacks with RCRA codes, use LDR form LP.
The following wastes are excluded from 40 CFR 268.42(c) alternative treatment standard (NCIN) per Appendix IV and will require from EZ: D009, F019, K0033-6, K062, K071, K100, K106, P010-12, P076, P078, U134.

Note: All RCRA labpacks must meet 40 CFR 264.316 and 265.316.
DOT's labpack exemption (49 CFR 173.12) includes only Class 3, 4.1, 4.2, PGII, III, 4.3, 5.1, 6.1, PGII, III, 8 or 9, transported by highway only.
Only the same hazard class can be packaged in an outer package (drum). Inner packages must be < = 5.3 gallons in metal or plastic.
The following hazardous materials are excluded from DOT's labpack exemption: 6.1 PG 1, 4.2 PG 1, bromine pentafluoride, bromine trifluoride, chloric acid, and fuming sulfuric acid.

M = metal, GL = glass, PL = plastic, CB = cardboard, CBT = CB tube, P = paper G = gallon, QT = quart, PT = pint, L = liter, ml = milliliter, lb = pound, oz = ounce, g = gram, mg = milligram

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ATTACHMENT TO HAZARDOUS WASTE MANIFEST #: 005845352JJK

ContainerWt

LABPACK/COMMERCIAL PRODUCT PACK **Drum #:** GSA-13082-04 **Drum Size:** DM55 **Project #:** 13085 **Date:** 9/7/10

Generator: Federal Center South , SEATTLE, WA 98134-2325 **Profile:** 467945-00

EPA ID #: WA8470031891 **DOT Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.

Hazard Class: 9 **DOT ID #:** UN3082 **Packing Group:** III **RQ:** **Approved By:**

EPA Codes: **State Codes:** WT02

Constituents:

A	B	C 1	C 2	C 3	D 1	D 2	D 3	E	F	G	H	I
		DOT			EPA		State					
Item	Description (chemical and physical)	Haz. Class (sub. haz.)	DOT ID #	Packin Group	Waste Code	Sub. Cat.	Waste Code	Gas/ Solid/ Liquid	# of Cont.	Container Type/Size	Waste Amount (Pounds)	DOT ERCL RQ (lb)
1	Magnesium Sulfate	9	UN3082	III			WT02	L	76.00	GL/	54	
2	Calcium Chloride	9	UN3082	III			WT02	L	8.00	GL/	10	
3	Calcium Sulfate	9	UN3082	III			WT02	S	8.00	GL/	12	
4	Glass Bottles - Empty/Residues - Trace Glycol and Water Solution	9	UN3082	III			WT02	L	51.00	GL/	15	
5	Sulfathiazole (Winthrop)	9	UN3082	III			WT02	S	19.00	GL/	22	

For all labpacks with RCRA codes, use LDR form LP.
The following wastes are excluded from 40 CFR 268.42(c) alternative treatment standard (NCIN) per Appendix IV and will require from EZ: D009, F019, K0033-6, K062, K071, K100, K106, P010-12, P076, P078, U134.

Note: All RCRA labpacks must meet 40 CFR 264.316 and 265.316.
DOT's labpack exemption (49 CFR 173.12) includes only Class 3, 4.1, 4.2, PGII, III, 4.3, 5.1, 6.1, PGII, III, 8 or 9, transported by highway only.
Only the same hazard class can be packaged in an outer package (drum). Inner packages must be < = 5.3 gallons in metal or plastic.
The following hazardous materials are excluded from DOT's labpack exemption: 6.1 PG 1, 4.2 PG 1, bromine pentafluoride, bromine trifluoride, chloric acid, and fuming sulfuric acid.

M = metal, GL = glass, PL = plastic, CB = cardboard, CBT = CB tube, P = paper G = gallon, QT = quart, PT = pint, L = liter, ml = milliliter, lb = pound, oz = ounce, g = gram, mg = milligram

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ATTACHMENT TO HAZARDOUS WASTE MANIFEST #: 005815392JJK

ContainerWt

LABPACK/COMMERCIAL PRODUCT PACK **Drum #:** GSA-13085-05 **Drum Size:** DF55 **Project #:** 13085 **Date:** 9/7/10

Generator: Federal Center South , SEATTLE, WA 98134-2325 **Profile:** 467945-00

EPA ID #: WA8470031891 **DOT Proper Shipping Name:** TOXIC, LIQUIDS, ORGANIC, N.O.S.

Hazard Class: 6.1 **DOT ID #:** UN2810 **Packing Group:** II **RQ:** **Approved By:**

EPA Codes: U044 **State Codes:** WT02

Constituents:

A	B	C 1	C 2	C 3	D 1	D 2	D 3	E	F	G	H	I
		DOT			EPA		State					
Item	Description (chemical and physical)	Haz. Class (sub. haz.)	DOT ID #	Packin Group	Waste Code	Sub. Cat.	Waste Code	Gas/ Solid/ Liquid	# of Cont.	Container Type/Size	Waste Amount (Pounds)	DOT ERCL RQ (lb)
1	Bottles, Empty/Residues Last Contained: Formaldehyde 3-5%, Methanol 5-10%, Phenol 3-5%, Magnesium Sulfate 1-3%	6.1	UN2810	II			WT02	L	92.00	GL/	28	
2	Atropine Sulfate	6.1	UN2810	II			WT02	L	1.00	PL/	2	
3	Atropine Sulfate	6.1		II			WT02	S	1.00	PL/	2	
4	Calcium Acetate						WT02	L	3.00	GL/	6	
5	Chloroform, Unused	6.1	UN2810	II	U044		WT02	L	8.00	GL/	3	

For all labpacks with RCRA codes, use LDR form LP.
The following wastes are excluded from 40 CFR 268.42(c) alternative treatment standard (NCIN) per Appendix IV and will require from EZ: D009, F019, K0033-6, K062, K071, K100, K106, P010-12, P076, P078, U134.

Note: All RCRA labpacks must meet 40 CFR 264.316 and 265.316.
DOT's labpack exemption (49 CFR 173.12) includes only Class 3, 4.1, 4.2, PGII, III, 4.3, 5.1, 6.1, PGII, III, 8 or 9, transported by highway only.
Only the same hazard class can be packaged in an outer package (drum). Inner packages must be < = 5.3 gallons in metal or plastic.
The following hazardous materials are excluded from DOT's labpack exemption: 6.1 PG 1, 4.2 PG 1, bromine pentafluoride, bromine trifluoride, chloric acid, and fuming sulfuric acid.

M = metal, GL = glass, PL = plastic, CB = cardboard, CBT = CB tube, P = paper G = gallon, QT = quart, PT = pint, L = liter, ml = milliliter, lb = pound, oz = ounce, g = gram, mg = milligram

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ATTACHMENT TO HAZARDOUS WASTE MANIFEST #: 005815392JJK

ContainerWt

LABPACK/COMMERCIAL PRODUCT PACK **Drum #:** GSA-13085-05 **Drum Size:** DF55 **Project #:** 13085 **Date:** 9/7/10

Generator: Federal Center South , SEATTLE, WA 98134-2325 **Profile:** 467945-00

EPA ID #: WA8470031891 **DOT Proper Shipping Name:** TOXIC, LIQUIDS, ORGANIC, N.O.S.

Hazard Class: 6.1 **DOT ID #:** UN2810 **Packing Group:** II **RQ:** **Approved By:**

EPA Codes: U044 **State Codes:** WT02

Constituents:

A	B	C 1	C 2	C 3	D 1	D 2	D 3	E	F	G	H	I
		DOT			EPA		State					
Item	Description (chemical and physical)	Haz. Class (sub. haz.)	DOT ID #	Packin Group	Waste Code	Sub. Cat.	Waste Code	Gas/ Solid/ Liquid	# of Cont.	Container Type/Size	Waste Amount (Pounds)	DOT ERCL RQ (lb)
1	Bottles, Empty/Residues Last Contained: Formaldehyde 3-5%, Methanol 5-10%, Phenol 3-5%, Magnesium Sulfate 1-3%	6.1	UN2810	II			WT02	L	92.00	GL/	28	
2	Atropine Sulfate	6.1	UN2810	II			WT02	L	1.00	PL/	2	
3	Atropine Sulfate	6.1		II			WT02	S	1.00	PL/	2	
4	Calcium Acetate						WT02	L	3.00	GL/	6	
5	Chloroform, Unused	6.1	UN2810	II	U044		WT02	L	8.00	GL/	3	

For all labpacks with RCRA codes, use LDR form LP.
The following wastes are excluded from 40 CFR 268.42(c) alternative treatment standard (NCIN) per Appendix IV and will require from EZ: D009, F019, K0033-6, K062, K071, K100, K106, P010-12, P076, P078, U134.

Note: All RCRA labpacks must meet 40 CFR 264.316 and 265.316.
DOT's labpack exemption (49 CFR 173.12) includes only Class 3, 4.1, 4.2, PGII, III, 4.3, 5.1, 6.1, PGII, III, 8 or 9, transported by highway only.
Only the same hazard class can be packaged in an outer package (drum). Inner packages must be < = 5.3 gallons in metal or plastic.
The following hazardous materials are excluded from DOT's labpack exemption: 6.1 PG 1, 4.2 PG 1, bromine pentafluoride, bromine trifluoride, chloric acid, and fuming sulfuric acid.

M = metal, GL = glass, PL = plastic, CB = cardboard, CBT = CB tube, P = paper

G = gallon, QT = quart, PT = pint, L = liter, ml = milliliter, lb = pound, oz = ounce, g = gram, mg = milligram

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ATTACHMENT TO HAZARDOUS WASTE MANIFEST #: 005845352 JJK

ContainerWt

LABPACK/COMMERCIAL PRODUCT PACK **Drum #:** GSA-13085-06 **Drum Size:** DF05 **Project #:** 13085 **Date:** 9/7/10

Generator: Federal Center South , SEATTLE, WA 98134-2325 **Profile:** 467945-00

EPA ID #: WA8470031891 **DOT Proper Shipping Name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.

Hazard Class: 8 **DOT ID #:** UN3266 **Packing Group:** II **RQ:** **Approved By:**

EPA Codes: D002 **State Codes:**

Constituents:

A	B	C 1	C 2	C 3	D 1	D 2	D 3	E	F	G	H	I
		DOT			EPA		State					
Item	Description (chemical and physical)	Haz. Class (sub. haz.)	DOT ID #	Packin Group	Waste Code	Sub. Cat.	Waste Code	Gas/ Solid/ Liquid	# of Cont.	Container Type/Size	Waste Amount (Pounds)	DOT ERCL RQ (lb)
1	Sodium Hydroxide 3-5% Solution	8	UN3266		D002			L	1.00	GL/	6	
2	Sodium Hydroxide 3-5% Solution	8	UN3266		D002			L	1.00	GL/	0.75	
3	Calcium Hydroxide Solution	8	UN3266		D002			L	1.00	GL/	2	

For all labpacks with RCRA codes, use LDR form LP.
The following wastes are excluded from 40 CFR 268.42(c) alternative treatment standard (NCIN) per Appendix IV and will require from EZ: D009, F019, K0033-6, K062, K071, K100, K106, P010-12, P076, P078, U134.

Note: All RCRA labpacks must meet 40 CFR 264.316 and 265.316.
DOT's labpack exemption (49 CFR 173.12) includes only Class 3, 4.1, 4.2, PGII, III, 4.3, 5.1, 6.1, PGII, III, 8 or 9, transported by highway only.
Only the same hazard class can be packaged in an outer package (drum). Inner packages must be < = 5.3 gallons in metal or plastic.
The following hazardous materials are excluded from DOT's labpack exemption: 6.1 PG 1, 4.2 PG 1, bromine pentafluoride, bromine trifluoride, chloric acid, and fuming sulfuric acid.

M = metal, GL = glass, PL = plastic, CB = cardboard, CBT = CB tube, P = paper G = gallon, QT = quart, PT = pint, L = liter, ml = milliliter, lb = pound, oz = ounce, g = gram, mg = milligram

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ATTACHMENT TO HAZARDOUS WASTE MANIFEST #: 005821539235

ContainerWt

LABPACK/COMMERCIAL PRODUCT PACK **Drum #:** GSA-13085-07 **Drum Size:** DF05 **Project #:** 13085 **Date:** 9/7/10

Generator: Federal Center South , SEATTLE, WA 98134-2325 **Profile:** 467945-00

EPA ID #: WA8470031891 **DOT Proper Shipping Name:** FLAMMABLE LIQUIDS, TOXIC, N.O.S.

Hazard Class: 3 **DOT ID #:** UN1992 **Packing Group:** II **RQ:** **Approved By:**

EPA Codes: D001 D009 **State Codes:**

Constituents:

A	B	C 1	C 2	C 3	D 1	D 2	D 3	E	F	G	H	I
		DOT			EPA		State					
Item	Description (chemical and physical)	Haz. Class (sub. haz.)	DOT ID #	Packin Group	Waste Code	Sub. Cat.	Waste Code	Gas/ Solid/ Liquid	# of Cont.	Container Type/Size	Waste Amount (Pounds)	DOT ERCL RQ (lb)
1	Non-Boilable Gut Suture Material Contained in 95% Ethanol, 0.03% Phenylmercuric Benzoate - Sealed Glass Tubes	3	UN1992	II	D001 D009			L	17.00	GL/	2	

For all labpacks with RCRA codes, use LDR form LP.
The following wastes are excluded from 40 CFR 268.42(c) alternative treatment standard (NCIN) per Appendix IV and will require from EZ: D009, F019, K0033-6, K062, K071, K100, K106, P010-12, P076, P078, U134.

Note: All RCRA labpacks must meet 40 CFR 264.316 and 265.316.
DOT's labpack exemption (49 CFR 173.12) includes only Class 3, 4.1, 4.2, PGII, III, 4.3, 5.1, 6.1, PGII, III, 8 or 9, transported by highway only.
Only the same hazard class can be packaged in an outer package (drum). Inner packages must be < = 5.3 gallons in metal or plastic.
The following hazardous materials are excluded from DOT's labpack exemption: 6.1 PG 1, 4.2 PG 1, bromine pentafluoride, bromine trifluoride, chloric acid, and fuming sulfuric acid.

M = metal, GL = glass, PL = plastic, CB = cardboard, CBT = CB tube, P = paper G = gallon, QT = quart, PT = pint, L = liter, ml = milliliter, lb = pound, oz = ounce, g = gram, mg = milligram

APPENDIX E: BORING LOGS AND WELL CONSTRUCTION DETAILS

EHS–International, Inc.

SOIL BORING RECORD

Boring # FCS-SB7
Total depth 8 feet
Sheet 1 of 1

Project name	Federal Ctr. S.	Drilling Contractor	NW Probe	Drilling method	Driven push probe
Project number	10048-10	Location	Approximately 40 feet S of HCB-5	Sampling method	4-foot lined probe sampler
Client	GSA			Ground elevation	N/A
EHSI rep.	D. Phelan	Start date	8-16-2010	Air monitoring (Y/N)	Yes
WDOE Tag No.	N/A	Compl. date	8-16-2010	Instrument(s)	MiniRAE 3000 PID

Instrument reading (ppm)	Sample type, interval	% recovery	Depth (feet, BGS)	Water level (feet)	Soil group	Soil description
						Asphalt
4.7	4-foot probe sampler	75	1 2 3 4		SP	Olive brown (2.5Y 4/3) fine-grained SAND, moist
Not measured	4-foot probe sampler	85	5 6 7 8	▽	SP	Black (2.5Y 2/1) fine- to medium-grained SAND, moist to wet Ground water encountered during drilling at approximately 6.5 feet bgs.
			9 10 11 12 13 14 15 16 17 18 19 20			Soil boring terminated at 8 feet bgs. The borehole was backfilled from the bottom up to near the surface with bentonite chip seal, and capped at the surface with asphalt patch.

EHS–International, Inc.

SOIL BORING RECORD

Boring # FCS-SB8
Total depth 8 feet
Sheet 1 of 1

Project name	Federal Ctr. S.	Drilling Contractor	NW Probe	Drilling method	Driven push probe
Project number	10048-10	Location	Approximately 40 feet N of HCB-5	Sampling method	4-foot lined probe sampler
Client	GSA			Ground elevation	N/A
EHSI rep.	D. Phelan	Start date	8-16-2010	Air monitoring (Y/N)	Yes
WDOE Tag No.	N/A	Compl. date	8-16-2010	Instrument(s)	MiniRAE 3000 PID

Instrument reading (ppm)	Sample type, interval	% recovery	Depth (feet, BGS)	Water level (feet)	Soil group	Soil description
						Asphalt
3.1	4-foot probe sampler	80	1 2 3 4		SP	Olive brown (2.5Y 4/3) fine-grained SAND, moist
5.0	4-foot probe sampler	85	5 6 7 8	▽	SP	Black (2.5Y 2/1) fine- to medium-grained SAND, moist to wet Ground water encountered during drilling at approximately 6 feet bgs.
					ML	Very dark gray (2.5Y 3/1) SILT, moist to wet
			9 10 11 12 13 14 15 16 17 18 19 20			Soil boring terminated at 8 feet bgs. The borehole was backfilled from the bottom up to near the surface with bentonite chip seal, and capped at the surface with asphalt patch.

EHS–International, Inc.

SOIL BORING RECORD

Boring # FCS-SB9
Total depth 8 feet
Sheet 1 of 1

Project name	Federal Ctr. S.	Drilling Contractor	NW Probe	Drilling method	Driven push probe
Project number	10048-10	Location	Approximately 40 feet W of SB7	Sampling method	4-foot lined probe sampler
Client	GSA			Ground elevation	N/A
EHSI rep.	D. Phelan	Start date	8-16-2010	Air monitoring (Y/N)	Yes
WDOE Tag No.	N/A	Compl. date	8-16-2010	Instrument(s)	MiniRAE 3000 PID

Instrument reading (ppm)	Sample type, interval	% recovery	Depth (feet, BGS)	Water level (feet)	Soil group	Soil description
						Asphalt
3.1	4-foot probe sampler	80	1 2 3 4		SP	Olive brown (2.5Y 4/3) fine-grained SAND, dry to moist
5.0	4-foot probe sampler	85	5 6 7 8	▽	SP	Ground water encountered during drilling at approximately 5 feet bgs. Black (2.5Y 2/1) fine-grained SAND, 4 inch thick very dark grayish brown SILT at approximately 5 feet bgs, wet
			9 10 11 12 13 14 15 16 17 18 19 20			Soil boring terminated at 8 feet bgs. The borehole was backfilled from the bottom up to near the surface with bentonite chip seal, and capped at the surface with asphalt patch.

EHS–International, Inc.

SOIL BORING RECORD

Boring # FCS-SB10
Total depth 8 feet
Sheet 1 of 1

Project name	Federal Ctr. S.	Drilling Contractor	NW Probe	Drilling method	Driven push probe
Project number	10048-10	Location	Approximately 40 feet SW of SB8	Sampling method	4-foot lined probe sampler
Client	GSA			Ground elevation	N/A
EHSI rep.	D. Phelan	Start date	8-16-2010	Air monitoring (Y/N)	Yes
WDOE Tag No.	N/A	Compl. date	8-16-2010	Instrument(s)	MiniRAE 3000 PID

Instrument reading (ppm)	Sample type, interval	% recovery	Depth (feet, BGS)	Water level (feet)	Soil group	Soil description
						Asphalt
1.9	4-foot probe sampler	55	1 2 3 4		SP	Olive brown (2.5Y 4/3) fine-grained SAND, dry to moist
2.8	4-foot probe sampler	65	5 6 7 8	▽	SP	Ground water encountered during drilling at approximately 5 feet bgs. Black (2.5Y 2/1) fine- to medium-grained SAND, wet
			9 10 11 12 13 14 15 16 17 18 19 20			Soil boring terminated at 8 feet bgs. The borehole was backfilled from the bottom up to near the surface with bentonite chip seal, and capped at the surface with asphalt patch.

EHS–International, Inc.

SOIL BORING AND MONITORING WELL CONSTRUCTION RECORD

Boring # FCS-EHSI-MW1
Total depth 14 feet
Sheet 1 of 1

Project name	Federal Ctr. S.	Drilling Contractor	NW Probe	Drilling method	Driven push probe
Project number	10048-08	Location	23.5 ft E / 34.5 ft N of the NE	Sampling method	4-foot lined probe sampler
Client	GSA		corner of Bldg 1202	Ground elevation	N/A
EHSI rep.	D. Phelan	Start date	8-16-2010	Air monitoring (Y/N)	Yes
WDOE Tag No.	BBS-008	Compl. date	8-16-2010	Instrument(s)	MiniRAE 3000 PID

Instrument reading (ppm)	Sample type, interval	% recovery	Depth (feet, BGS)	Water level (feet)	Soil group	Soil description	Well Details
			1			Asphalt, then wooden railroad tie on south side of borehole, and coarse crushed rock	
0.3	4-foot probe sampler	55	2 3 4		SP/ SP-SM/ OL/ML	Alternate layers of very dark grayish brown (10YR 3/2), very fine- to fine-grained SAND with trace amounts to some silt and organic SILT with very fine-grained sand, moist	
1.5	4-foot probe sampler	90	5 6 7 8	▽	SP/ SP-SM	Black (2.5Y 2.5/1) very fine-grained SAND, with trace amounts to some silt, moist to wet Groundwater encountered during drilling at approximately 5.5 ft bgs.	
					ML/OL	Very dark grayish brown (10YR 3/2) organic SILT with minor wood fragments, wet	
					SP	Very dark brown (10YR 2/2) fine-grained SAND, wet	
Not measured	4-foot probe sampler	100	9 10 11 12		SP/ SP-SM/ ML	Alternate layers of very dark brown (10YR 2/2) very fine-grained SAND with trace amounts to some silt and very fine-grained sandy SILT with minor amounts of organic material (wood), wet	
Not measured	4-foot probe sampler	Not recovered	13 14				
			15 16 17 18 19 20			The bottom of the boring terminated at 14 feet bgs. A 2-inch diameter PVC monitoring well was installed; 0.010-slot, 10-foot PVC screen, 4-foot PVC riser, silica filter sand, bentonite chip seal, and flush-graded well monument set in place with a concrete surface seal.	

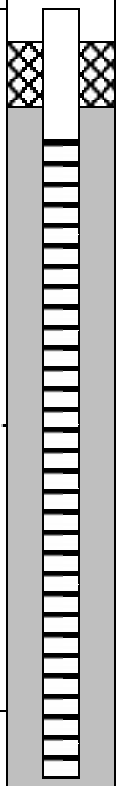
EHS–International, Inc.

SOIL BORING AND MONITORING WELL CONSTRUCTION RECORD

Boring # FCS-EHSI-MW2
Total depth 12.5 feet
Sheet 1 of 1

Project name	Federal Ctr. S.	Drilling Contractor	NW Probe	Drilling method	Driven push probe
Project number	10048-08	Location	57 ft S / 21 ft W of the NW	Sampling method	4-foot lined probe sampler
Client	GSA		corner of Bldg 1201	Ground elevation	N/A
EHSI rep.	D. Phelan	Start date	8-16-2010	Air monitoring (Y/N)	Yes
WDOE Tag No.	BBS-009	Compl. date	8-16-2010	Instrument(s)	MiniRAE 3000 PID

Instrument reading (ppm)	Sample type, interval	% recovery	Depth (feet, BGS)	Water level (feet)	Soil group	Soil description	Well Details
			1			Asphalt	
1.6	4-foot probe sampler	45	2		SP/ SP-SM	Dark brown (10YR 3/3) very fine-grained SAND, with trace amounts to some silt, moist	
			3				
			4				
142.7	4-foot probe sampler	95	5				
			6		SP/ SP-SM	Same as above, moist	
			7	▽		Groundwater encountered during drilling at approximately 7 feet bgs.	
			8		SP	Black (2.5Y 2.5/1) fine-grained SAND, wet; hydrocarbon-like odor noted.	
Not measured	4-foot probe sampler	100	9				
			10		SP/ SP-SM/ ML/SM	Grades to: Very dark gray (2.5Y 3/1) very fine-grained SAND to sandy SILT/ silty very fine-grained SAND to SILT, wet	
			11				
			12				
Not measured	4-foot probe sampler	Not recovered	13		SP	Black (2.5Y 2.5/1) fine-grained SAND, wet	
			14				
			15			The bottom of the boring terminated at 14 feet bgs. Encountered heave in sand at the bottom of the borehole. The bottom of the Monitoring well was set at 12.5 feet bgs instead. The well consists of 2-inch diameter PVC 2-foot long riser, 0.010-slot, 10-foot PVC screen, silica filter sand, bentonite chip seal, and flush-graded well monument set in place with a concrete surface seal.	
			16				
			17				
			18				
			19				
			20				



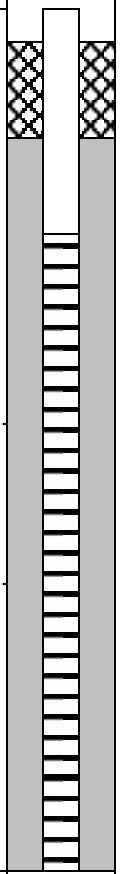
EHS–International, Inc.

SOIL BORING AND MONITORING WELL CONSTRUCTION RECORD

Boring # FCS-EHSI-MW3
Total depth 14 feet
Sheet 1 of 1

Project name	Federal Ctr. S.	Drilling Contractor	NW Probe	Drilling method	Driven push probe
Project number	10048-08	Location	67 ft N / 31.5 ft E of fence	Sampling method	4-foot lined probe sampler
Client	GSA		corner; 17.3 ft W of Bldg 1202	Ground elevation	N/A
EHSI rep.	D. Phelan	Start date	8-16-2010	Air monitoring (Y/N)	Yes
WDOE Tag No.	BBS-010	Compl. date	8-16-2010	Instrument(s)	MiniRAE 3000 PID

Instrument reading (ppm)	Sample type, interval	% recovery	Depth (feet, BGS)	Water level (feet)	Soil group	Soil description	Well Details
			1			Asphalt	
2.0	4-foot probe sampler	70	2		SP/ SP-SM	Very dark grayish brown (10YR 3/2) very fine-grained SAND, with trace amounts to some silt, moist	
			3				
			4				
2.2	4-foot probe sampler	100	5		SP/ SP-SM	Same as above, 6 inch thick layer of very fine-grained sandy SILT, moist to wet	
			6				
			7	▽		Groundwater encountered during drilling at approximately 7 feet bgs.	
			8		SP	Very dark brown (10YR 2/2) fine- to medium-grained SAND, wet	
Not measured	4-foot probe sampler	100	9				
			10		SP	Grades to: Very dark brown (10YR 2/2) very fine-grained SAND, wet	
			11				
			12				
Not measured	4-foot probe sampler	Not recovered	13		SP	Same as above, wet	
			14				
			15			The bottom of the boring terminated at 14 feet bgs. A 2-inch diameter PVC monitoring well was installed and consisted of 4-foot long, 2-inch diameter PVC riser, 0.010-slot, 10-foot long PVC well screen, silica filter sand, bentonite chip seal, and flush-graded well monument set in place with a concrete surface seal.	
			16				
			17				
			18				
			19				
			20				



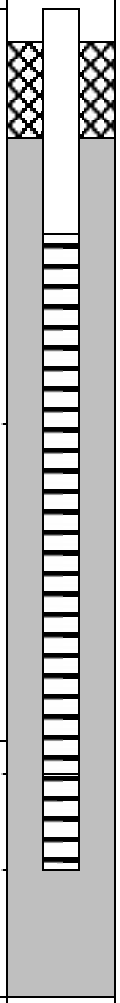
EHS–International, Inc.

SOIL BORING AND MONITORING WELL CONSTRUCTION RECORD

Boring # FCS-EHSI-MW4
Total depth 14 feet
Sheet 1 of 1

Project name	Federal Ctr. S.	Drilling Contractor	NW Probe	Drilling method	Driven push probe
Project number	10048-08	Location	19 ft S / 17 ft W of the NW	Sampling method	4-foot lined probe sampler
Client	GSA		corner of Bldg 1202	Ground elevation	N/A
EHSI rep.	D. Phelan	Start date	8-16-2010	Air monitoring (Y/N)	Yes
WDOE Tag No.	BBS-011	Compl. date	8-16-2010	Instrument(s)	MiniRAE 3000 PID

Instrument reading (ppm)	Sample type, interval	% recovery	Depth (feet, BGS)	Water level (feet)	Soil group	Soil description	Well Details
						Asphalt	
5.2	4-foot probe sampler	65	1 2 3 4		SP/ SP-SM	Dark grayish brown (10YR 4/2) very fine- to fine-grained SAND, with trace amounts to some silt, moist	
6.4	4-foot probe sampler	85	5 6 7	▽	SP/ SP-SM	Same as above, moist Groundwater encountered during drilling at approximately 7 feet bgs.	
Not measured	4-foot probe sampler	100	8 9 10 11 12		SP SP	Black (10YR 2/1) fine- to medium-grained SAND, wet Same as above, very fine- to medium-grained SAND, wet	
Not measured	4-foot probe sampler	90	13 14 15 16		Pt OL ML	Dark brown peat, moist Dark grayish brown (2.5Y 4/2) very organic SILT, with blades of grass, roots, and peat, moist Grades to: Dark grayish brown SILT, with some roots, less roots with depth, moist	
			17 18 19 20			The bottom of the boring terminated at 16 feet bgs. The bottom of a 2-inch diameter PVC monitoring well was set at 14 feet bgs. The well consisted of a 4-foot long, 2-inch PVC riser, 0.010-slot, 10-foot long PVC well screen, silica filter sand, bentonite chip seal, and flush-graded well monument set in place with a concrete surface seal.	



APPENDIX F: SELECT SITE PHOTOGRAPHS

Photo 1. View of the east sidewall of the Central Excavation (-CE-), looking to the east. Dark staining of soil noted on the sidewall of the excavation.

Photo 2. Backfilling completed for the Central Excavation located in the center of the photograph, and South Excavation (not shown; off the left side of the photograph, looking to the north.

Photo 3. View of the eastern portion of the Southwest Excavation during the initial excavation when buried 55-gallon drums and 5-gallon cans that contained petroleum products were encountered (looking to the east).

Photo 4. Metal 55-gallon drums and 5-gallon cans previously contained petroleum products that were removed from the Southwest Excavation and placed on the eastern end of the contaminated soil stockpile.

Photo 5. Removal of petroleum-contaminated soil from the portion of the Southwest Excavation where buried petroleum metal drums and cans were encountered (looking to the NE).

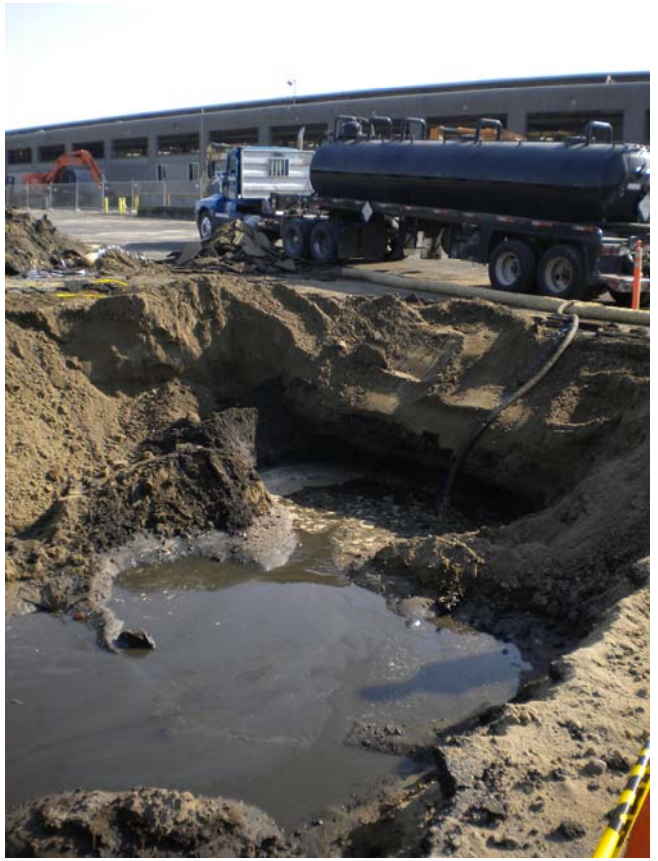


Photo 6. Mar-Vac pumped out water from the Southwest Excavation contaminated with floating petroleum product derived from buried drums and cans (looking to the NE).

Photo 7. Buried drums and cans in the Southwest Excavation.

Photo 8. Discarded medical/pharmaceutical waste encountered within the eastern portion of the Southwest Excavation following removal of buried petroleum drums and cans (in upper left hand corner of the photograph). Looking to the NNW.

Photo 9. A buried can with residual petroleum product released on the contaminated soil stockpile.

Photo 10. Discarded medical/pharmaceutical waste removed from the contaminated soil and separated into similar bottle types.

Photo 11. Start backfilling the Southwest Excavation, looking to the north and northwest.

Photo 12. Start backfilling the Southwest Excavation, looking to the south. The storm water catch basin is shown by the red arrow. The drums next to the southwest portion of the excavation mark the location of monitoring well HCMW-1.

Photo 13. Replacing the storm water drain line in the Southwest Excavation.

Photo 14. Backfilling and site restoration completed for the Southwest Excavation, looking to the west-northwest.

Photo 15. Assorted lidded drums and buckets with yellow "Hazardous Waste" labels contain the medical/pharmaceutical waste sorted by KET according to hazardous material classifications (i.e., flammable liquids, corrosive liquids, toxic material). These drums are ready to be loaded into KET truck for transportation to a TSD facility. The seven 55-gallon drums in the left background contain crushed metal petroleum drums and cans to be handled as solid waste and transported to a recycling facility.

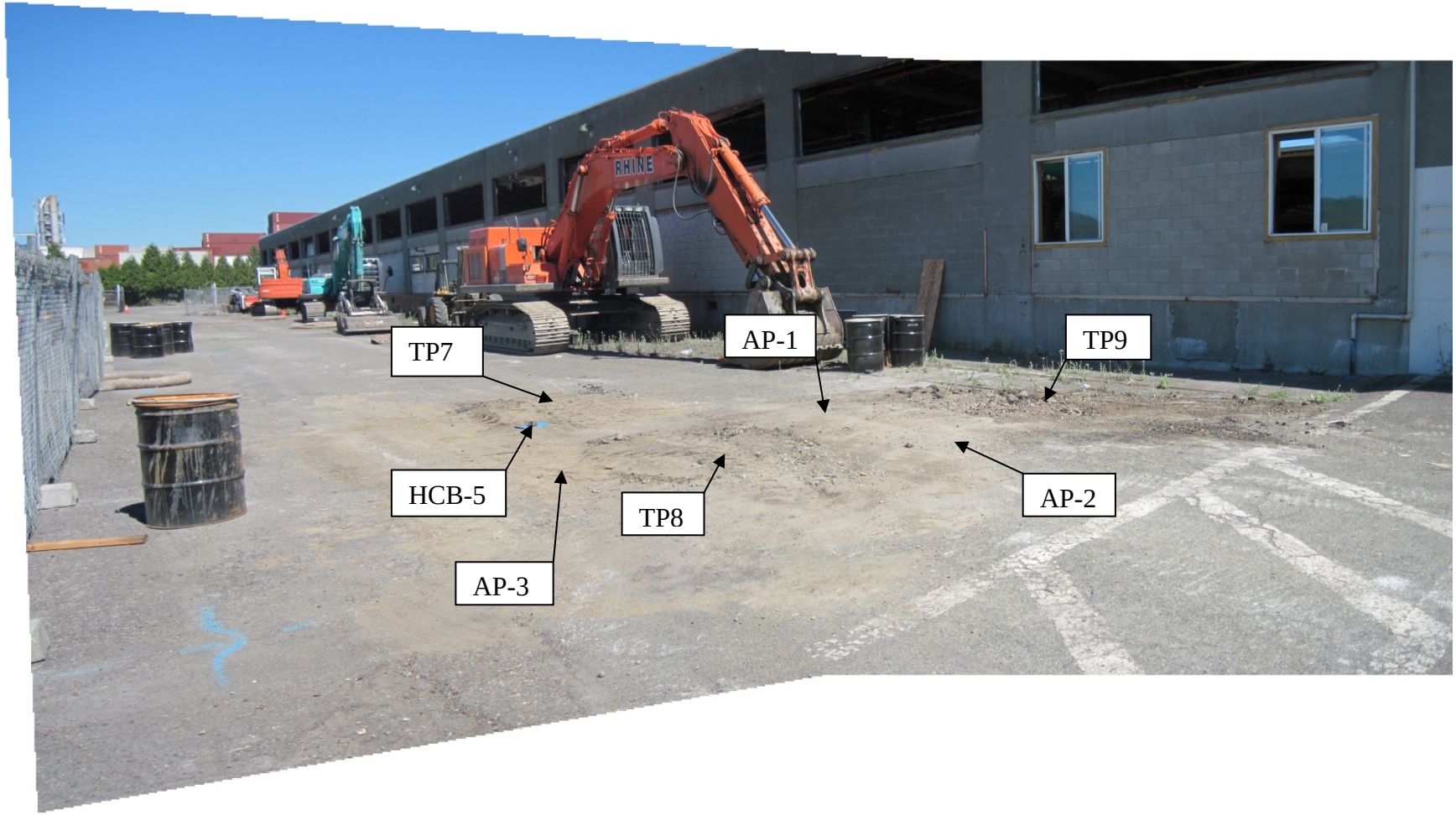


Photo 16. Hart Crowser soil boring HCB-5 (blue file folder on the ground near center of photo) and vicinity, with disturbed asphalt areas marking the locations of EHSI test pit explorations TP7 through TP8, and approximate locations of soil vapor samples AP-1 through AP-3 collected from soil probe borings, looking to the north-northeast.